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### *THE NEW WORLD ISSUE.*

Exporters of chemicals, drugs, and druggists' sundries to Canada, the United States, South America, and the West Indies will have a unique business opportunity in the issue of THE CHEMIST AND DRUGGIST

### *of May 23.*

That issue is specially produced to promote trade in British goods in these countries, and many buyers will be addressed on that occasion who are outside the usual sphere of influence. The increasing importance of these countries as buyers is recognised by business men all the world over, and British manufacturers of chemists' goods should avail themselves of this exceptional opportunity to counteract the activities of foreign competitors. Business announcements in THE CHEMIST AND DRUGGIST of that date will be read by all likely buyers of drugs, chemicals, perfumery, toilet-preparations, soaps, and druggists' sundries in the New World in addition to regular subscribers of this journal at home and abroad. For particulars regarding space, etc., advertisers should write at once to the Publisher, 42 Cannon Street, E.C.

# Summary.

**The subjoined paragraphs give the gist of the more important matters in this issue, with the object of showing at a glance what has happened during the week. See also "Contents" in the first column.**

THE BUDGET reduction of the sugar-duty to 1*s.* 10*d.* per lb. will also affect the duty on saccharin and other saccharin products.

THE latest store prices are given on p. 698.

DR. CHAMBERLAND, the inventor of the well-known filter cylinders, died last week (p. 699).

THE SHOPS BILL has passed the second reading, but there is no chance for it this year (p. 708).

MR. D. W. GREENHOUGH, a well-known Mincing Lane chemical broker, died last week (p. 706).

THE names of those who passed the apothecaries' assistants' examination last month are given on p. 697.

AN EDUARDO'S WINE case of more than usual interest is reported from the City of London Court (p. 704).

MR. E. J. BEVAN, F.I.C., is henceforth to receive 2,200*l.* a year for his work as Middlesex public analyst (p. 697).

THE PHARMACEUTICAL SOCIETY is to spend 700*l.* on improving the Major Laboratory of the School of Pharmacy (p. 716).

AN Aston chemist has been fined under the Medicine-stamp Act for a sale in his shop of unstamped antikamnia (p. 703).

"SPECIALIST" is the latest title which has brought an unregistered dental practitioner into court. He was fined (p. 703).

THERE is not yet to be an Official Directory of Nurses. The House of Lords has rejected the Bill which was to effect that purpose (p. 708).

FISH GUANO is not a mixture of dried fish and chemical manure. Such is the finding of Mr. Justice Walton in a High Court case (p. 701).

MR. JOHN GIBSON, F.C.S., of Hexham, is the new President of the Society of Chemist-Opticians, whose annual meeting has been held this week (p. 714).

A BRADFORD RETAILER, who is not a registered chemist, has been fined under the Licensing Act, 1902, for selling quinine wines without a wine-licence (p. 703).

MR. CHAS. A. HILL, B.Sc., and Mr. George Lunan have been appointed members of the British Pharmacopœia Committee of Reference in Pharmacy (p. 717).

MESSRS. REYNOLDS & BRANSON have successfully enforced through the High Court an agreement with a former assistant as to limitation of service within a specified area of Leeds (p. 702).

FOR the first time in the history of the Pereira medal it has been this year awarded to a lady, Miss G. H. Wren, who has also taken the principal honours in the School of Pharmacy (pp. 715 and 716).

TWO weights and measures questions have been answered in the House of Commons this week, one in regard to inspection, and the other about marking glass measures on the makers' premises (p. 708).

THOSE who have authority to use industrial methylated spirit should pay particular attention to their accounts of its use. A general order has been issued to Excise officers in regard to the matter (p. 710).

"VIOLET OATMEAL SOAP," introduced by the Crown Perfumery Co., has been the subject of a successful action to restrain the Me-Mosa Soap Perfumery Co., who put on the market a soap of similar "get-up." It is reported on p. 702.

THE Ulverston County Court Judge has ruled that a medical practitioner holding the Scotch triple qualification is not entitled to recover for medicines supplied. We question the legality of this ruling, as being contrary to the provisions of Section 6 of the Medical Act, 1886 (p. 711).

ALTHOUGH price alterations in the markets are numerous they are mostly slight, the bulk of them being favourable to buyers. Articles that have more or less appreciated in value include menthol, cascara sagrada (spot), aniseed oil (c.i.f.), and green copperas, while those on the easier side include camphor, castor oil, turpentine, vanilla, quicksilver (seconds), arsenic, opium, and cocoa butter. The drug auctions are fully reported on p. 732.

# Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Students, please note. All communications should be addressed to the Editor of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

All communications and reports must bear the names and addresses of the writers, not necessarily for publication. The reports of those who ignore this rule are liable not to be dealt with.

## TOURNAMENT PRIZE-MEN.

In the analytical tournament which closed with the report of April 25, Mr. Edgar Hill took the first prize with an aggregate of 564 marks, and Mr. Werner Sivertsen second prize, with 553 marks, the latter also concluding the series by taking the first prize in last month's competition. Both these competitors have written to us in appreciation of the assistance that the "Corner for Students" has been to them.

Mr. Hill was apprenticed to Mr. D. S. Priestley, chemist, Whetley Hill, Bradford, and afterwards acted as assistant to Mr. T. F. Walker, chemist, Redcar, and Mr. C. Dewing, chemist, Grimsby. He then gained a scholarship at the

Mr. Hill.

Mr. Sivertsen.

Bradford Municipal Technical College, and, returning to his native town, took up the work of the scholarship—simultaneously acting as part-time assistant to Mr. H. G. Dutton, 26 Tyrrel Street. At the College he gained the first prize in the pharmaceutical course, and his scholarship was made into a maintenance one, which enabled him to attend the day courses at the College for two years. Besides taking the subjects for the Minor and Major examinations, Mr. Hill attended courses in biology, zoology, physiology, and mathematics. A year ago he obtained certificates in the second stages of chemistry, zoology, botany, and physiology at the Board of Education examinations, and is now proceeding to the third stages of these and the second stage of biology. He passed the Minor examination in September last.

Mr. Werner Sivertsen is a native of Christianssand, the southernmost town in Norway, and as a boy attended the Real Skole there, and afterwards was two years in St. Michaeli Kirchenschule, Hamburg. On returning to Norway he was engaged for some years in the export timber trade. Before this he had visited England and the British Colonies with his father, who was then a sea-captain, and thus acquired a working knowledge of English. His parents settled in this country, and he was apprenticed to his relative, Mr. E. G. Varley, chemist, Castleton Pharmacy, Newton Road, Mumbles, near Swansea, four years ago. Having passed the Preliminary examination Mr. Sivertsen commenced to study chemistry, and attended the Swansea Municipal Technical College. He has passed the advanced stage of the Board of Education examinations in theoretical and practical inorganic and organic chemistry, and is now studying for the Minor examination.

We give these particulars as an encouragement to other students who feel that they are not very well placed to take advantage of the "Corner for Students." It will be seen that in each case the success is entirely due to the personal efforts of prize-men. Any advantage that they enjoy is the result of their own labours and perseverance.

Danish Customs Tariff.—A new Customs tariff has been adopted by the Danish Parliament, but does not come into operation until January 1, 1909. The most notable changes include the abolition of the duty on petroleum and a reduction in the duties on salt, sugar, chemicals, tar, etc.

# English News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

### Brevities.

Damage to the extent of about 100*l.* was done by a fire which broke out at the premises of the Standard Malt Extract Co., Willow Mill, Oswaldtwistle, near Blackburn, on April 29.

Claims against the estate of Mr. Frederick Boxall, chemist, 100 The Broadway, Cricklewood, should be lodged with Mr. C. Montague White, C.A., 14 Old Jewry Chambers, London, E.C., on or before May 16.

All employés at the Manchester works of Messrs. F. C. Calvert & Co., manufacturing chemists, who wish to serve in the Territorial Army, will be granted full pay during their annual training.

At Malton, on April 25, the wine-licence held by Mr. John Spanton, chemist and druggist, Norton, was transfered to Mr. William Ernest Sellers, chemist and druggist, who has succeeded to the business.

In the Canterbury window-dressing competition on May Day the display of Messrs. Walker & Harris, chemists, was "very highly commended," and that of Messrs. Lander & Smith, chemists, was "highly commended."

A fire broke out on May 6 at 44 Christian Street, London, E., on the premises of G. Scott & Son (London), Ltd., engineers and makers of pharmaceutical machinery. The fire-brigade was promptly on hand, and the outbreak was soon subdued.

Mr. W. A. Savill, chemist and druggist, Portslade-by-Sea, had a silver watch sold on April 29 to meet the demand for the educational portion of the poor rate, which he refused to pay. Mr. Savill bought the watch back for 15*s.* 6*d.*, the sum demanded by the authorities.

The two Magistrates at the Tynemouth Borough Police Court on May 2, where a milk case under the Sale of Food and Drugs Acts was tried, were chemists (a rare occurrence)—viz., Mr. Joseph B. Williamson, of Messrs. Williamson & Hogg, North Shields, and Mr. John Taylor, who has retired.

On May 1 a bullet was fired through one of the plate-glass windows at the premises of Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C. Fragments of glass were strewn about the ground floor. Fortunately no one was struck, though several of the staff were close by. It was not discovered by whom the shot was fired.

In the High Court of Justice on May 4, Mr. Justice Neville granted an injunction, with costs, restraining the London County Council from pumping unpurified sewage and storm-water into Battersea Creek so as to cause a nuisance to Price's Patent Candle Co., Ltd., freeholders and occupiers of extensive works on the banks of the creek.

The Postmaster-General has announced that a fully-prepaid letter weighing less than 1 oz., sent from one place to another in the United Kingdom, may be redirected to any foreign country in the Postal Union for an additional postage of 1½*d.*, provided that it is re-posted under the conditions specified on pages 62 and 63 of the "Post Office Guide."

At Leicester Police Court on May 1, John Frederick Spencer, draper and Sunday-school teacher, Leicester, was committed for trial in connection with a series of sensational burglaries. One of the witnesses for the prosecution was Mr. Francis J. Young, pharmaceutical chemist, who had examined some powder on a piece of meat found in possession of the prisoner. Mr. Young said the powder was strychnine—the alkaloid being present in the free state and not as a salt. There were more than 2 grains of the poison.

On May 1, Mr. Thomas J. Curphey, manufacturing chemist, gave evidence for the defendants in an action (heard by Mr. Justice Bigham and a special jury) by a firm of exporters of Manchester goods against the London and Lancashire Fire Insurance Co. for the payment of insurance in connection with the earthquake at Kingston, Jamaica. Plaintiffs allege that the fire broke out on Mr. Curphey's

premises, 67 King Street, Kingston, three minutes before the first shock of the earthquake. Mr. Curphey deposed that when the shock was felt he was on a ladder in his office packing bottles of tinctures on a shelf. He saw nothing for some time after that to indicate that the house was on fire.

### Royal Institution.

Professor Joseph Larmor gave a discourse at the Royal Institution, London, W., on May 1, the subject being "The Scientific Work of Lord Kelvin." The lecture, which dealt with the evolution of physics during the nineteenth century, was experimental, and was also illustrated with lantern-slides.

At the annual meeting of the Royal Institution on May 1, most of the retiring office-bearers were re-elected, including Sir William Crookes as Secretary. Among the managers are Mr. George Matthey and Dr. Ludwig Mond. The visitors include Mr. Charles E. Groves, F.R.S., and Mr. Robert Mond. Mr. J. Y. Buchanan, F.R.S., has given 100*l.* to the Fund for the Promotion of Experimental Research at Low Temperatures.

### Dr. Teed and Bloomsbury Square.

At a meeting of the Court of Common Council of the City of London on April 30, the Lord Mayor laid before the members a letter, received from Mr. R. Bremridge, Secretary to the Pharmaceutical Society, dated April 10, 1908, in which the writer said :

> I am instructed to inform you that the attention of the Council of this Society has been directed to the quarterly report of the Public Analyst for the City of London for the quarter ended December 31, which was presented to the Common Council on February 27. My Council will be glad to be informed of the particulars of the cases referred to in that report, in which this Society is stated to have the power to institute proceedings, as it is impossible for them to judge without such particulars whether the cases referred to do, or do not, come within their powers of administration. I am also directed to say that my Council ventures to suggest that the aspersions cast upon this Society are not germane to the subject of the report, and should not have found expression in it.

The letter was referred to the Sanitary Committee for consideration.

### London Weights and Measures.

The Chief Inspector of Weights and Measures for the City of London reports that 10,921 apothecaries' weights were stamped at his office during 1907, the fees charged amounting to 45*l.* 10*s.* 1*d.* In 1906 the number was 8,189, and the fees received 34*l.* 2*s.* 7*d.* Of apothecaries' liquid measures 97,085 were stamped last year, as against 103,424 in 1906, and the fees amounted to 1,262*l.* 8*s.* 5½*d.* and 1,311*l.* 8*s.* respectively. The weights verified were from 4 drams to ½ gr., and the fee charged was 1*d.* each. The fees for liquid measures varied from ½*d.* to 1*s.* 4½*d.* each. Most (42,267) were stamped at 2½*d.* each, 35,352 cost 3*d.* each, and 7,238 were charged 6*d.* each. The apothecaries' weights rejected totalled 2,019 in 1907, and 656 in 1906; and the measures 3,243 in 1907, as against 2,795 in 1906.

### Local Organisation Meeting.

The last meeting arranged by the Committee on Organisation of the Pharmaceutical Society was held in the Grand Hotel, Bridge Street, Sunderland, on Wednesday, April 29, at 2.30 P.M., when the divisional officers and delegates representing the Hartlepools and District, Newcastle-on-Tyne, Sunderland, and Teesside Chemists' Associations were present. At 3 P.M. a general meeting of registered chemists in the district was held, when sixty-six attended. Mr. J. R. Young (President) occupied the chair, and was supported by Alderman John Harrison and Mr. R. Bremridge. The President gave a *résumé* of the Pharmacy Bills and their position at present. Thereafter a general discussion followed, when many valuable suggestions were made.

### A Jubilee Celebration.

The staff of Messrs. Dakin Brothers, Ltd., to the number of nearly a hundred, assembled, at the invitation of the directors, at the Manchester Hotel, Aldersgate Street, on Saturday, May 2, to commemorate the fiftieth anniversary of Mr. Joseph Atto's service with the firm. Mr. J. Harrison Dakin, senior director, was in the chair, and in the course of a short speech narrated the history of the firm and Mr. Atto's connection with it, expressing the strong regard in which Mr. Atto is held by all connected with the firm. He concluded by presenting him with an illuminated address and a substantial cheque. Among the visitors was Mr. Clarence Nobbs and several members of the Pickwick Bicycle Club, of which Mr. Atto is a prominent member. After dinner a capital musical programme was gone through, and various toasts were submitted.

### Society of Apothecaries' Assistants' Examination.

The following candidates were at the April examination granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines :

| | | |
|---|---|---|
| Alexander, M. M. | Freeland, F. M. | Polglase, W. M. |
| Andrews, O. G. | Hall, D. M. | Roth, H. A. |
| Atkinson, E. | Hasen-Clever, B. H | Samworth, G. |
| Ballisat, F. E. | Hawling, C. | Stone, E. E. |
| Barran, M. L. | Horler, M. W. | Stones, M. M. C. |
| Bolus, E. M. | Johnston, K. | Swann, J. H. |
| Buck, E. W. | Lewis, W. B. | Taynton, E. A. |
| Burrows, E. E. | Lincolne, M. N. | Thorne, A. E. |
| Button, G. E. | Marshall, E. W. | Wade, G. |
| Christie, E. C. | Martin, G. Le Q. | Walker, K. M. H. |
| Clinch, N. | O'Leary, A. J. | Way, W. S. |
| Davey, I. | Olliver, D. R. | Woodhouse, M. F. |
| Finney, F. H. | Pellow, E. F. | |

### Analysts' Affairs.

The Lewisham analyst (Mr. A. W. Harris, M.R.C.S.) found two samples of camphorated oil to be deficient in camphor.

The public analyst for Wandsworth (Dr. John Muter) had two samples of decoc. aloes co. to examine recently, and one was 55 per cent. deficient in extractives and alcohol.

Bermondsey has been paying Mr. Richard Bodmer, F.I.C., public analyst of the borough, 16*l.* 13*s.* 4*d.* a month, and fees quarterly. At his request the committee have agreed to double the monthly payment and reduce the quarterly one proportionately.

According to a report of the medical officer of health for the City of London, the samples submitted to the public analyst during the five weeks ended April 18 included two of preserving fluid, six of olive oil, one of almond oil, four of light magnesia, four of mercury ointment, ten of boric-acid ointment, and three of ammoniated-mercury ointment. A certificate of sophistication has been received in respect of a sample of olive oil (said to contain 50 per cent. of earthnut oil), and the evidence relating to this is to be referred to the City solicitor.

The Middlesex County Council, at its meeting on April 30, again considered the question of the remuneration to its county analyst, Mr. Bevan (see *C. & D.*, April 4, p. 506). As a result of further communications between the General Purposes Committee and the analyst, Mr. Bevan intimated his willingness to agree to the omission of any reference to a period for which his remuneration is to be fixed. The amount paid to the county analyst in 1907 was 2,251*l.* 14*s.* 6*d.*, a sum of 51*l.* 14*s.* 6*d.* in excess of the amount recommended for fixed remuneration. In the ordinary course of events the number of samples would undoubtedly considerably increase, so that there would be a corresponding increase in the amount saved in the future. The Council agreed to fix the remuneration of the analyst at 2,200*l.* per year as from May 1, 1908, such sum to include attending courts to give any necessary evidence, attending consultations, meetings of committees, etc., as occasion may require.

### Chemists' Licences.

At Bury St. Edmunds last week, the West Suffolk Licensing Committee granted the application of Mr. Thomas John Green, chemist and druggist, High Street, Lavenham, for an off wine-licence, subject to applicant undertaking to sell only medicated and invalid wines.

A similar application by Mr. John Henry Freeman, chemist and druggist, High Street, Newmarket, was refused, it being stated that a grocer's shop adjoining had a wine-licence and also other chemists.

### A Sodium Accident.

The action of the atmosphere on sodium was the cause of a serious explosion at Handsworth, as a result of which

a boy named Adamson now lies in a dangerous condition. The boy, who is a son of Dr. P. Adamson, Birchfield Road, purchased the sodium and other chemicals from a Birmingham drug-store. When he reached home he placed the articles on the kitchen table and went to wash his hands. He had not gone many steps when a violent explosion occurred, which caused serious injuries to his head, face, and neck. It is supposed that the sodium which was in a bottle, was not securely packed.

### In the Thames Valley.

The optical department of Durbin Bros., Ltd., at Market Place, Kingston-on-Thames, which has been carried on by Mr. Hill, F.S.M.C., has been transferred to The Pavement, Clapham Common.

The premises occupied by Mr. H. E. Clement, chemist and druggist, at Hampton Hill (the freehold of which belongs to Mr. A. Higgs, chemist, Kingston), have been acquired by the London United Electric Tramways for street widening. Mr. Clement is shortly removing to other premises.

The freehold of the house and shop occupied by Mr. Arad Feather, chemist and druggist, at 11 King Street, Twickenham, was last week submitted to public auction, when there was a spirited contest. Mr. Feather holds a lease with seven years unexpired at a rental of 42*l.* per annum, and he was successful in securing the freehold for 840*l.*

### Keen Competition.

A private meeting of the creditors of Arthur Howard, pharmaceutical chemist, Hall Quay, Great Yarmouth, was held last week, when a statement of affairs was submitted showing liabilities amounting to 1,121*l.* 2*s.* 9*d.*, and the assets are expected to produce 747*l.* 2*s.* 7*d.* It was reported that the debtor had been in business for about nine years, and his turnover had been in the neighbourhood of 950*l.* a year. The expenses of the business were, however, rather heavy. The present position was attributed to keen competition. The business had been offered for sale, but without success. Considerable sympathy was expressed with the debtor, and it was decided that the estate should be administered under a deed of assignment. Mr. A. E. Lark was appointed trustee, and he was authorised to carry on the business with a view to disposing of it as a going concern.

### The Terrier Immune.

A correspondent to a Bristol paper last week told his experiences of trying to poison an Irish terrier. The dog had bitten a child, and it was resolved to poison the biter. Accordingly the terrier was taken to a Bedminster chemist, who "emptied the contents of a syringe down his [the dog's] throat and informed me that two minutes would be the longest he could live." The dog was in good form in two hours after, and next morning he was as lively as ever. Then the chemist "saturated with deadly poison" a piece of meat, and the terrier gulped down the lot. The chemist was sure that would finish him, and the owner of the dog left, promising to call and remove the corpse in the evening. He went, accompanied by his son and a large hamper, but found "the animal as sprick as ever." Then they gave up the attempt, and the terrier is still alive.

### Store-prices.

"Prana" Sparklet Specialities receive particular prominence in the price-circular of the Civil Service Stores for May. The "Garden Insecticides" quoted include "Cirengol" (a concentrated form of quassia for plants, etc.) 5*d.* per tube, quassia chips 3*d.* per lb., and sulphur (precipitated) 5*d.* per lb., (sublimed) 2*d.* per lb.

The alterations and additions in the Army and Navy Stores price-list for May include the following:

*Reduced.*—Bergamot essence, 8*d.* per bot.; bromo paper, 10½*d.* per packet, 10*s.* per doz.; camphorated oil, 6*d.* per 4-oz. bot., 1*s.* 5*d.* per 16-oz. bot.; prepared charcoal, 6*d.* per lb.; carbolic acid, No. 5, 2*s.* 3*d.* per gal. tin, 10*s.* per 5-gal. tin; citric acid, 1*s.* 8*d.* per lb.; Danysz virus, 5*s.* per box of three tubes; colocynth, powdered, 1*s.* 9*d.* per 1-lb. tin, and whole, 1*s.* 6*d.* per lb.; Antifat biscuits, 2*s.* 3*d.* per 2-lb. tin; nitrate of silver, 2*s.* per oz.; quinine (in bulk), 1*s.* per oz.; anti-rheumatic rings, 4*s.* 6*d.* each, gold-cased, 8*s.* 6*d.* each.

*Added.*—Lactobacilline, 3*s.* 6*d.* per box; Antineurasthin, 4*s.* 6*d.* per box; Solspa, 10*d.* per bot.; Hall's meat and malt wine, 2*s.* 9*d.*; Pond's extract vanishing cream and cold cream, 11*d.* and 1*s.* 9*d.* per jar; Elskure, 2*s.* 4*d.* per bot.; Pinaud's "Flirt" perfume, 14*s.* per bot.; Daggett & Ramsdell's cold cream, 10½*d.* per tube, 1*s.* 4*d.*, 2*s.*, and 3*s.* per jar; Crème Elcaya, 2*s.* per jar; Hegeman's cold cream, 1*s.* 6*d.* per jar; Festoform disinfectants, 1*s.* 4*d.* each; Festoform air-purifiers, 6*d.* each; Kuma tooth-wash, 2*s.* 4*d.*, 10*s.* 6*d.*, and 20*s.* per bot.; Sauerin tablets, 2*s.* 3*d.* and 4*s.* per bot.

### Contracts.

Darwen Town Council.—Messrs. Hardman & Holden, chemists, Blackburn and Manchester, for pitch and creosote oil.

Merthyr Tydfil Town Council.—Mr. V. A. Wills, chemist and druggist, Merthyr, and Mrs. M. E. Stephens, Merthyr, for drugs to Mardy Hospital.

The Milton-next-Sittingbourne Joint Hospital Board have decided to continue the present system of purchasing drugs from local chemists, and not from wholesale druggists direct as had been suggested.

Hackney Borough Council recently accepted the tender of Adcock, Easton & Co. for the annual supply of carbolic-acid powder at 2*l.* 4*s.* 10*d.* per ton. The Public Health Committee have now reported that the actual amount of the tender was 2*l.* 14*s.* 10*d.* per ton (the lowest received by the Council), and have decided that the tender be accepted at this figure.

### The Chemist's Assistant Vindicated.

At an inquest held at Hammersmith, on May 5, on the body of an illegitimate child found in a cupboard at a refreshment-house, it was stated by the proprietress that she had not realised the condition of the mother, a waitress in her employ. The girl said she was unwell through delayed menstruation, and her mistress advised her to go to a chemist for medicine. The girl returned with a packet of salts, which the chemist had sold her (so the witness said) as the best thing to take. Ernest Bolton was then called, and the Coroner said that in view of the statements made he must caution him. Mr. Bolton elected to give evidence, and, in reply to the Coroner, said he was a chemist's assistant. He had passed the Preliminary examination, but was not registered. He was an assistant with Boots, Ltd., at 11 King Street, Hammersmith. On May 2 the girl, whom he knew as a waitress at the coffee-shop opposite, came to the shop and asked for a packet of salts, for which she paid 1½*d.* She did not say what it was for, nor did she say anything as to what was the matter with her. If she had said anything of the sort he would not have served her. The assistants in the shop have strict orders not to prescribe. He quite recognised the danger of giving anything in case of delayed menstruation. The Coroner said Mr. Bolton's evidence was very satisfactory, and had put a different complexion on the suggestions made against him. After other evidence the inquiry was adjourned.

### Cricket.

At Shepherd's Bush on April 25, Heron C.C. defeated May & Baker C.C. by thirty-six runs to twenty-five. Oxon played a fine game, making twelve for the winners. Cullen took six wickets for fourteen, and Harley four for eleven.

A match between Burgoyne Burbidge's C.C. and Stevenson & Howell's C.C., played on May 2 at Wormholt Farm, resulted in a victory for the first-named club by sixty-five runs. For the winners Martin was top-scorer (forty-four not out) and Dealtry made twenty-seven, while for the Southwark club Line made twenty-five. Butterfield bowled well for the losers, and Dealtry (for Burgoyne's) took four wickets for six runs.

## Irish News.

**Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.**

### Dog-poisoning.

Many dogs have been poisoned in Ballymoney, co. Antrim, during the last few weeks. In nearly every case pieces of liver containing strychnine have been used.

### Analyst's Report.

At the quarterly meeting of Belfast Corporation on May 1, Mr. Robert Barklie, city analyst, reported having

ıalysed, during the quarter ended March 31, 424 samples ceived from the officers of the Corporation. Thirty-one ere found to be adulterated, but of the six samples of ugs and ten of condiments analysed all were found to be nuine.

### Chemists as Public Men.

The candidates nominated for Windsor Ward at the elfast Poor-law elections, which take place on May 28, clude Mr. David Wm. Elliott, pharmaceutical chemist, Shaftesbury Square. For Dock Ward one of the candiates is Mrs. Payne, wife of Mr. J. C. C. Payne, J.P., harmaceutical chemist. In Dublin Dr. J. C. McWalter as been nominated as a Guardian for the Royal Exchange ard.

## Scotch News.

**Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.**

### Aberdeen.

Mr. A. L. Wood, chemist, Stonehaven, has been reppointed Secretary and Treasurer of the Stonehaven Golf lub.

A recently published list of subscriptions to the Aberdeen echnical College includes the sum of 25*l.* from the Aberen Pharmaceutical Association.

We understand that it is the wish of Lord Provost Sir lexander Lyon that the official reception to be given to the ritish Pharmaceutical Conference should be held in the rt Gallery.

The pharmacy of Mr. Charles Chree, chemist, Union rove, was broken into the other day. The burglars had pparently been disturbed, as nothing inside the shop had een taken.

### Glasgow Notes.

Mr. George W. Crawford, manager of The Pharmacy, ingapore, is now in Glasgow on a six-months' holiday.

Messrs. Frazer & Green, Ltd., have a very fine consignent of sponges in their Buchanan Street pharmacy indows.

A drug-shop in Garscube Road, Queen's Cross, at one ime occupied by a medical man, has just been converted nto a stationery business.

Mr. Horace Gray, chemist and druggist, has taken over he business of Mr. J. W. Miller, chemist and druggist, Queen Margaret Drive, Kelvinside.

Dr. Donald Macalister has intimated his intention to esign his office as the representative of Cambridge Uniersity on the General Medical Council.

Mr. Wm. Baxter, chemist and druggist, has been appointed manager of the business of the late Mr. Charles McKenzie, chemist and druggist, St. George's Road, Glasow.

Mr. Alexander Davidson, chemist and druggist, Glasow, has passed three subjects of the First Professional xamination in medicine—viz., chemistry, physics, and oology.

Mr. Douglas, chemist and druggist, for a number of years nanager of the drug department of Messrs. Spears & Co., Great Western Road, has purchased the business of Mr. Mitchell Wilson, chemist and druggist, New City Road, Glasgow.

### Edinburgh Chemists' Golf Club.

The spring competition took place last week on Heddervick Golf Course (by permission of Mrs. St. Clair Cunningham) with the following results: 1, G. W. Mangan, 86-14=72; 2, A. J. Clark, 92-18=74; 3, a tie, D. S. Philp, 74+4=78, and A. F. Dawson, 84-6=78. Mr. D. S. Philp won the tie for third place. Mr. A. F. Dawson won the special prize for the best fifteen holes with a net score of 60.

### Fire.

Damage estimated at 600*l.* was on Saturday forenoon, May 2, caused by fire which occurred in the shop of Mr. William Beveridge, chemist and druggist, 2 MacNeillie Buildings, Newmarket Street, Ayr. The premises were being washed out, and one of the assistants in the shop discovered a quantity of straw in the back premises to be on fire. Steps were immediately taken to extinguish the flames, but Mr. Beveridge and his assistants were beaten in their efforts owing to deficiency in the water supply. Nor could the Fire Brigade stay the flames. Two large plate-glass windows of the shop were blown into the street, and the shop itself was practically gutted. The damage is covered by insurance.

## Welsh News.

**Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.**

### Business Changes.

Mr. J. H. Kent, pharmaceutical chemist, has purchased the business of the late Mr. Thomas Thomas, at 41 St. Helen's Road, Swansea.

### Another Chemist-Barrister in Embryo.

Mr. T. J. Stokoe, chemist and druggist, has been elected Chairman of the Hay (Brecknockshire) Urban District Council. Mr. Stokoe is reading for the Bar and keeping terms at the Middle Temple. Last year he took a First Class in Roman Law, and this year he has passed in the Easter examination in Constitutional Law (English and Colonial) and Legal History.

## French News.

**(From the "C. & D." Paris Correspondent.)**

The Devil's Game.—One of the windows of the Grande Pharmacie Co-opérative de France, rue du Général Foy, St.-Etienne, was filled, when I visited that town the other day, with cheap "diabolos," and a notice announced that one of them is presented to every purchaser of 2f. worth of goods—patent medicines and mineral waters excepted.

Chemistry on Canvas.—One of the paintings in the "Salle d'Honneur" in the Salon des Artistes Français, opened in Paris on May 1, represents M. Ogier, the well-known Director of the Toxicological Laboratory, Paris, seated at his laboratory table. The artist, M. Alleaume, has himself executed a lithographic reproduction of the portrait, which is shown in the engravings gallery of the Salon.

The Riviera Season seems to have been fairly good this year. One hears the oft-told tale that people do not stay so long as they used to do—that they go to an hotel for a few weeks instead of taking a villa for months, etc.; but I heard no actual complaint of bad trade or slackness during my recent brief stay; and both Cannes and Nice seemed as "full up" as the deliciously summerlike climate warranted them to be.

A Stupid Act of Vandalism has been perpetrated at the Paris School of Pharmacy, the handsome frescoes by M. Albert Besnard, which decorate the walls of the principal hall of the School, having been pierced with holes, scratched, and otherwise damaged. The Under-Secretary of State for Fine Arts has ordered an inquiry to be made regarding the matter. The artist has a complete set of copies of the seventeen frescoes.

M. Vaillant, head of the radiographic department of the Saint-Louis Hospital, has contributed to the Academy of Sciences a paper on a new method of determining by the help of $x$ rays whether a child that has been declared stillborn has ever breathed. When the child has not breathed, no visceral organ is visible on the radiograph; if it has breathed from one to fourteen hours, the stomach is more transparent and has increased in volume, and the intestines become visible. If life has been prolonged for more than fourteen hours, the lungs are discernible, the liver is outlined, and the heart is slightly indicated.

Obituary.—The death is announced at Bordeaux of M. G. Arnozan, a prominent pharmacist of that town and Vice-President of the Committee of Control of the Pharmacie Centrale de France.—The death is announced of Dr. Charles Edouard Chamberland, Assistant Director of the Pasteur Institute, Paris, at the age of fifty-seven. He was

a native of Chilly-la-Vignoble, Jura, and for a good many years was one of Pasteur's leading collaborators. He commenced working with him more than thirty years ago, after taking his diploma of Doctor of Sciences, and was the author of various works on the Pasteurian theories. Dr. Chamberland was a member of the Academy of Medicine, an Officer of the Legion of Honour, and from 1885 to 1889 was a member of the Chamber of Deputies. He was the inventor of the well-known baked porcelain water-filter.

The late Professor Riche.—Few professors, past or present, of the Paris Superior School of Pharmacy were better known or more generally respected than the late Jean Baptiste Leopold Alfred Riche, whose death was announced in the *C. & D.* last week. It is just fifty years ago that he secured his "first class" pharmaceutical diploma, and his thesis "On the Action of the Electric Current on Certain Metalloids" indicated that the future Director and Chief Chemist of the French Mint had already traced out his special path for study and research. In the following year M. Riche was named an assistant professor at the Paris School of Pharmacy, his essay at this competition being on "Organic and Volatile Alkalies." After acting for some time as assistant to Professor Bussy, he was nominated, in 1873, Professor of Mineral (Inorganic) Chemistry at the School, a post which he occupied until he was superannuated in 1899. He had been a member of the Academy of Medicine since 1877, was elected Vice-President in 1901, and in the following year became President. In 1905 he was appointed a member of the Permanent Committee for the research and control of analytical methods under the new Anti-adulteration Law. In 1907 he resigned his post at the Mint. His last published works are "Coins, Medals, etc.; their Assay and Control" (1889), and "The Art of the Assayer" (1888) in joint authorship with M. Gelis. M. Riche was looked upon as one of the most active and intelligent members of the Council of Hygiene. It was, however, not only the scientist, but the man himself who was appreciated by his colleagues, for he was justly popular and was one of those charming types of French scientific men who combine a genial disposition with devotion to science and great aptitude for work.

Transvaal Chemists' Picnic Party.

# South African News.

From "C. & D." Correspondents.)

## Transvaal.

Chemists' Picnic.—On Sunday, April 5, a company of over 100 Transvaal chemists and their friends had a most enjoyable day's outing. The spot chosen was the Irene estate, about forty miles north of Johannesburg. A party left Johannesburg by special train and were joined at Irene by another party from Pretoria. Among those present were Messrs. A. Rennie (President of the Pharmaceutical Society of the Transvaal), Chas. Keir, J. R. Jones, and J. H. Dinwoodie (members of the Pharmacy Board), Jas. Johnston (manager Petersen, Ltd.), M. Walker Pole, and others. At Irene cricket, football, racing, etc., were indulged in. The winners of the 100-yards racing handicaps were Mr. S. M. Hendry (for chemists under thirty), Messrs. W. B. Rawlinson and A. Purnell (dead heat) (chemists over thirty), and Mr. James Johnston (chemists over forty). Mr. A. S. Smith came in first in the Committee race; Mr. G. Haines first in the open 100-yards handicap, and Miss Thomson first in the ladies' race. In the tug-of-war, married *v.* single, the single men won easily. Luncheon and tea were partaken of under the trees in true picnic fashion, and the outing was so great a success that the feeling was expressed that it will become an annual event. The arrangements were carried out by the following Picnic Committee: Messrs. A. Purnell (Chairman), A. Macdonald, H. M. Hetherington, A. S. Smith, A. W. Ashkanazy, W. B. Rawlinson, H. L. Karnovsky, and S. M. Hendry (Hon. Secretary). The photograph of the party was somewhat faded by the time it reached us, which has militated against its reproduction.

## Orange River Colony.

Medical and Pharmacy Council.—At the meeting of the Council held at Bloemfontein on April 10, Dr. A. B. Ward presided, and there were present Drs. de Kock, C. H. Bidwell, Johnstone, Swift, Daniel (Thaba 'Nchu), and Pratt Yule (M.O.H. for the Colony), Mr. Stafford S. Hewitt, chemist and druggist, and Mr. R. Lewis Church (Secretary). The Secretary's report dealt with a special examination to be held for a candidate who desires to be qualified as a chemist and druggist, and with the revised syllabus for botany. A copy of the syllabus referred to was submitted and its recommendation adopted by the Board of Examiners. Mr. Hewitt moved its adoption, but Dr. Daniel objected to *Gramineæ* being among the natural orders the characters of which are required, on the ground that the order is so extensive. The matter was by a majority referred back for reconsideration. It was resolved to submit the name of Mr. F. Carter to the Under Colonial Secretary as a member who would be willing to act in the temporary absence of Mr. J. A. Dinwoodie, chemist and druggist. Dr. Bidwell proposed the following additional regulation for candidates for the chemist and druggist examination:

> That all candidates who shall fail to satisfy the examiners shall be referred by them to their studies for such a period as the examiners may think fit, and shall not be examined before the period for which they have been referred be expired.

Dr. Daniel suggested that the period be fixed at three months, and so amended the resolution was passed. A letter was read from a correspondent in Clocolan asking if he might be permitted to open a chemist's shop in the district, and inquiring whether it was necessary to have a qualified man in the shop. He stated that he had numerous inquiries from customers for medicines. Dr. Ward, on referring to the Ordinance, said that it was quite evident that he was barred from opening a shop.

# Australasian News.

**The fullest information regarding the Australasian drug-trade and pharmacy is given in "The Chemist and Druggist of Australasia," copies of which can be obtained at 6d. each, post free from the office of "The Chemist and Druggist," 42 Cannon Street, London, E.C.**

## General.

Customs Tariff Amendments.—Included among a batch of amendments and decisions is a new item (89 B): "Invalids' diabetic food, and also all other invalids' foods, as prescribed by Departmental By-laws," to be free of import duty, both in general and preferential tariff.

The Number of Pharmacists residing in Australasia, according to statistics compiled by "The Chemist and Druggist of Australasia," is 2,650, made up as follows:

| | |
|---|---|
| New South Wales ... ... ... | 855 |
| Queensland ... ... ... ... | 195 |
| South Australia ... ... ... | 138 |
| Tasmania ... ... ... ... | 103 |
| Victoria ... ... ... ... | 739 |
| Western Australia ... ... ... | 179 |
| New Zealand ... ... ... | 441 |

## New Zealand.

Suggested Conference.—A committee has been formed to make arrangements for a Conference of New Zealand chemists, and Mr. Mackenzie, President of the Central Pharmaceutical Association, has put forward the following as the objects of the meeting:

1. That a conference of chemists be held at Wellington in August 1908, prior to the conference of the New Zealand Pharmacy Board.
2. That the first conference be a business one, and that notices of motion for same must be received not later than June 18.
3. That the Central Pharmaceutical Association suggest that the following matters be dealt with at the said conference and that the results be communicated at once to sister associations: (*a*) Anti-Quackery Bill; (*b*) poisons sales; (*c*) chemists' exclusion from serving on juries; (*d*) the formation of a "New Zealand executive" to handle matters of internal interest; (*e*) the best methods of "educational improvement"; (*f*) the best method of developing the country's own chemical and botanical resources, etc.
4. That this conference be made an annual one, with movable headquarters, and that the executive for same be appointed annually from the town in which the following one will be held.

## Tasmania.

Qualified Men Wanted.—According to "The Chemist and Druggist of Australasia" there is in Tasmania a great scarcity of qualified men for new and old openings. It is difficult to fill up the gaps. A comparatively large number qualified at the last Final examinations, and a goodly number of candidates are expected to present themselves for the next in May. Those passing at that time will not need to be idle many days. The pharmaceutical list for the year shows a total of 219 names, as against 208 last year, an increase of 5 per cent. The scarcity of junior assistants arises partly from the fact that several have given up their positions to devote their whole time to attendance at College.

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The Public Examination in Bankruptcy of Frank Heward Gordelier, late of 2 Parkwood Road, Boscombe, chemist and druggist, took place before Mr. Registrar Hope at the London Bankruptcy Court on May 7. The accounts show unsecured debts, 218*l.* 5*s.*; fully secured debts, 105*l.* 18*s.* 8*d.*; and assets valued at 80*l.* 1*s.* 4*d.* The debtor stated that he commenced business in 1883 at Sidcup with a capital of 563*l.*, and three years afterwards removed to Nugent Terrace, Abercorn Place, N.W., where he remained until 1892. He then took a business at 6 Dennington Parade, West End Lane, and, after carrying it on for eight months, sold it for 800*l.* In November 1893 he opened a shop, at a cost of 500*l.*, at 2 Parkwood Road, Boscombe, and continued the business there until the end of 1905, when he sold it for 500*l.* After that he was without occupation for six months, then obtained an engagement as a chemist's assistant. He attributed his failure to the cause reported in the *C. & D.*, April 4, p. 511. The examination was concluded. There are no trade creditors.

# Legal Reports.

## High Court Cases.

Creditors Sue Guarantors.

At the conclusion of evidence and arguments in the case of Morris Little & Son, Ltd., *v.* Messrs. Staveley & Co. last week (*C. & D.*, May 2, p. 666), on Friday, May 1, Mr. Justice Walton reserved judgment.

Exhibition Privilege.

On April 29, in the Dublin King's Bench Division, before Mr. Justice Boyd, the case of the Irish International Exhibition (Incorporated) against Messrs. James Shanks & Co., mineral-water manufacturers, Dublin, was mentioned. (See *C. & D.*, February 29, p. 323.) Mr. Jefferson, K.C., applied on behalf of the defendants in the action—which is one claiming damages for conspiring to obtain for themselves, without the knowledge or approval of the plaintiffs, the privilege of supplying mineral waters to the Irish International Exhibition—for an order requiring the plaintiffs to give security for the defendants' costs in the action. Counsel said that there was also a separate action by the same plaintiffs against Messrs. J. Lyons & Co., Ltd., London. Counsel, in making the application, said that so far as his clients were concerned the action was unfounded, and they had a good defence. On behalf of the plaintiffs it was stated that they had no objection to give security, but that this was an attempt to get three sets of security in what was, in reality, only one action. Mr. Justice Boyd ordered the plaintiffs to give security for 100*l.* in each of the three actions.

A Question of Notice.

In the King's Bench Division on May 5, before Mr. Justice Darling and a special jury, an action for damages for alleged wrongful dismissal was commenced by Mr. Benjamin J. Edwards, and the defendants, Sir Alfred S. Harlam, Sir A. Durning Lawrence, and Messrs. Johnson, Matthey & Co., Ltd., was disposed of. The defendants had carried on the business of B. J. Edwards & Co., photographic chemicals manufacturers, Ealing, and plaintiff had been employed as manager under a verbal agreement from October 1905 to August 1907 at a weekly wage which rose from 4*l.* to 6*l.* In the latter month he received a week's notice in writing, and this he considered insufficient, although the defendants said it was according to the agreement. Mr. Sturges, for the plaintiff, said Mr. Edwards is one of the leading experts in photography. Since 1862 he had carried on business at Hackney. In 1900 negotiations took place, and his business was carried on as a company until 1905, when another company was formed to take over the business. At this point his Lordship suggested that the parties should consult with a view to a settlement. This was done successfully, but the terms were not made public.

What is Dried Fish Guano?

In the King's Bench Division, on May 4 to 6, an action was brought before Mr. Justice Walton by Messrs. Hollinghurst & Co., of Richmond, Surrey, against Mr. John Grindell, chemical manure manufacturer, of High Street, Kingston-upon-Hull, to recover 300*l.* money paid, 24*l.* 2*s.* 9*d.* expenses, and damages for an alleged breach of contract to supply 100 tons of dried fish guano in two deliveries. In delivering judgment, his Lordship said that the main question was whether the 50 tons delivered was dried fish guano within the meaning of the contract. He said it was plain that the stuff was a mixed guano made partly of fish and partly by the addition of chemicals in a mineral form. He thought it was sulphate of ammonia. It was said, however, that by the custom of the trade that must be accepted and was understood in a business sense to be fish guano. There was evidence both ways. The term "fish guano" was a little loosely used, and there had no doubt been a good deal of adulteration; but he thought the Court should be very slow to conclude that a custom existed by which a man might sell something which he called fish guano and deliver something else, and after some hesitation he had come to the conclusion that the defendant had failed to establish the custom on which he relied. His Lordship also held that,

inasmuch as he persisted in tendering something not in it, defendant refused to perform his contract, and he entered judgment for the plaintiffs for 399*l.* 2*s.* 9*d.* and costs.

### A Reinstatement Question.

In the King's Bench Division, before Mr. Justice Channell and Mr. Justice Sutton, sitting as a Divisional Court, the case of the Old English Vinegar Co. *v.* Shaw & Son was heard. It was a motion by the Old English Vinegar Co., of Wild's Rents, Bermondsey, to set aside an award given by an arbitrator against them in favour of the respondents, tanners, of Decimer Street, Long Lane, Bermondsey. The latter occupied premises leased to them by the Vinegar Co. at a rent of 130*l.*, and they had been burnt down in October 1906. According to the lease, the company in such event were to reinstate the respondents within six months. When the fire occurred the lessors had plans prepared, which respondents approved; but they were not passed, and, owing to delays, the respondents took other premises. Two arbitrators to whom the matter was referred could not agree, but an umpire gave an award reducing the rent and ordering that the lessors should pay 2*l.* 2*s.* a week to the lessees as rent for new premises, other sums being allowed for boiler-hire, etc. After hearing counsel, their Lordships decided that the matter should be referred back to the arbitrator for reconsideration, and made no order as to costs.

### An Assistant's Restriction Agreement Sustained.

In the Chancery Division on Friday, May 1, Mr. Justice Swinfen Eady heard an application by Messrs. Reynolds & Branson, Ltd., chemists, Leeds, against Henry Goodson, a former laboratory assistant to them, to restrain him from dealing with the customers of the plaintiffs in the city of Leeds or from acting as manager or otherwise of W. A. Wharram & Co., Ltd., of North Street, Leeds, in breach of an agreement of November 28, 1902, between the plaintiffs and the defendant. It was provided in the agreement that on the termination of the defendant's engagement with the plaintiffs he should not within a period of five years thereafter enter any business similar to that carried on by them within a radius of fifty miles of Leeds without their consent. The defendant left the plaintiffs' employment on December 1, 1904, and was afterwards engaged in Dublin and Norwich. Then he returned to Leeds, and entered the service of Wharram & Co. as their traveller.

Mr. Micklem, K.C., for the plaintiffs, asked the Court to say that they were entitled to an injunction on the ground that the defendant had been soliciting the plaintiffs' customers. It was suggested that the defendant when in the plaintiffs' employment did not know the names of the plaintiffs' customers, but that contention, counsel submitted, could not be maintained.

Mr. Gatey, on behalf of the defendant, contended that no case had been made out for an injunction against the defendant in that no damage had been proved. This case was not covered by "dealing," because dealing would involve the distribution of goods.

His Lordship: The defendant proposes to sell goods on behalf of his principals.

Mr. Gatey: He simply takes orders, and then hands the orders to his principals.

His Lordship said in his opinion what the defendant had been doing was a breach of the agreement. By it he was restrained from entering a similar business to the plaintiffs within five years of leaving the plaintiffs' employment and within a radius of fifty miles of Leeds. Before the expiration of the five years he had returned to Leeds and entered the employment of a competing firm. The breach having been proved, the injunction must be granted.

### "Violet Oatmeal Soap."

On Friday, May 1, in the Chancery Division, Mr. Justice Warrington commenced the hearing of the action by the Crown Perfumery Co. against the Me-Mosa Soap Perfumery Co. and Richard Wilkinson for passing-off in respect of an article called "Violet Oatmeal Soap." Mr. Astbury, K.C., Mr. Terrell, K.C., and Mr. Sebastian appeared for the plaintiffs, and Mr. A. J. Walter, K.C., and Mr. J. M. Gover represented the defendants.

Mr. Astbury, in opening, stated that the plaintiff company in 1902 invented or found out a recipe for a new soap, and they gave it the name of "Violet Oatmeal Soap." It was first put on the market and sold in that year. The "get-up" of the soap was distinctive in every way—boxes, wrappers, and tablets of soap. Its introduction on the market proved a very great success. In April 1907 the plaintiffs found that the defendants were infringing their soap by putting upon the market a "colourable copy" of the "whole get-up" of plaintiffs' soap, and it was out of this that the action arose. Counsel said that prior to 1906 the defendant Wilkinson was in their employ, but was dismissed by plaintiffs without notice. Counsel's submission was that this was a deliberate plot by Wilkinson to take the plaintiffs' business. The defence was that the "get-up" of the plaintiffs' soap was a common one to the trade.

At this point the hearing was adjourned till Monday.

On resuming, Mr. Astbury continued his opening of the case and said he noted that one of the defences raised was that the name "Oatmeal Violet Soap" was in use. This he did not dispute, and he did not, on behalf of his clients, put forward a claim to the name.

Witnesses were then called for the plaintiffs.

Mr. Chas. W. J. Tanner, plaintiffs' manager, stated that the most important production of the company was "Violet Oatmeal Soap." It had proved a very great success, and had sold in very large quantities. Displays had been given in shop-windows. In one case it was found that the display comprised boxes of the plaintiffs' soap and part of the boxes of the defendants' soap. In cross-examination witness stated that "Violet Oatmeal Soap" had been on the market some time, and he recognised the boxes produced as those sent out by other firms. They supplied soap to Barkers and others with violets on the boxes, but the soap was packed in pink wrappers. All the plaintiffs' soap sold by them direct was wrapped in green wrappers. In re-examination witness said that very few of these boxes were on the market before the defendants started. Now there were a good many more or less alike or different.

Mr. Herbert Ed. Worcester, chemist, of Haverstock Hill, stated that plaintiffs' soap was well known, and was usually asked for as "Violet Oatmeal Soap." When asked for "Violet Oatmeal Soap" he always thought that the customers wanted the plaintiffs' soap. In his opinion, plaintiffs' soap had a "distinctive get-up and appearance." With regard to the tablets of soap produced, that of the plaintiffs and defendants, he saw no difference between them.

Evidence of a similar nature was given by Mr. John Simpson; Mr. John Murison, managing director Parke's Drug-stores; Mr. Albert Thomas Prestage; Mr. Walter Hales; Mr. Geo. Miller Stephenson; Mr. George Walton Gibson Robinson; Mr. Frederick Herbert Reed; and Mr. Frederick Robert Gillingford.

When the hearing was resumed on Tuesday, Mr. Walter announced that he had been talking to his clients and felt that as regards the "get up" of the inside of the boxes he really could not contest the point. As regards the outside of the box, that was another matter altogether. He admitted that as to the inside of the boxes there was ample evidence, and therefore he could not resist a general injunction against his clients in the words of paragraphs 1 and 2 of the statement of claim. Nor could he object to the destruction of the wrappers or to the printed matter that was placed inside the soap-wrappers.

Mr. Astbury: If I am to take a general injunction, I do not want to differentiate between any of the particular things that go to make up the whole. I do not want an order for delivery up, nor do I ask for destruction of some things. If they chose to issue these things, then I shall have my remedy.

His Lordship: What struck me was that one of these soaps might easily be taken for the other.

Mr. Walter: I think the same.

Mr. Astbury pressed for damages and costs.

Mr. Walter stated that his clients stopped this the moment the writ was issued. They withdrew everything.

His Lordship: Then the damages would be very small.

Mr. Astbury said nevertheless he should like an inquiry as to damages.

His Lordship then made an order for an inquiry, the

costs to be reserved of such inquiry, and granted the plaintiffs a general injunction, the defendants to pay the costs up to the commencement of the action.

Order accordingly.

## Licensing Act, 1902.

SALE OF QUININE-WINES.

AT the Bradford City Police Court on May 1, George Herbert Baker, drug-dealer, 573 Manchester Road, was summoned by the police for infringement of Section 10, Sub-Section 1, of this Act, by selling wine by retail without a licence. The Chief Constable, who appeared for the prosecution, stated that Detective Thornton purchased at the defendant's shop Wincarnis with quinine, and orange and quinine wine, and his contention was that Wincarnis with quinine could not be sold by anybody who had not a wine-licence. Mr. H. M. Dawson, who defended, produced a copy of an advertisement by Messrs. Coleman & Co., Ltd., manufacturers of Wincarnis, to the effect that Wincarnis alone could be sold by any chemist with a wine-licence, and Wincarnis with quinine could be sold by any chemist without a wine-licence. The defendant had found that customers preferred to have Wincarnis without the quinine, and had therefore applied at the last sessions for a wine-licence, which, however, had been refused, and therefore, on the strength of the advertisement issued by Coleman & Co., he had purchased and retailed Wincarnis with quinine. It now appeared that he had committed a technical offence, but he had done so entirely in ignorance, and much regretted the fact. The Magistrates took the view that it was merely a technical offence, and dismissed the case on payment of costs, which amounted to 1*l.* 4*s.*

## Medicine-stamp Acts.

SALE OF ANTIKAMNIA UNSTAMPED.

AT the Aston (Birmingham) Police Court, on May 6, John Wilson Atkinson, chemist, Six Ways, Aston, was summoned for selling unstamped a medicine liable to duty. Mr. C. E. FitzRoy, of Somerset House, appeared for the prosecution, and Mr. Guy Pritchard defended. It was stated that the medicine in respect of which the summons was issued was antikamnia. The defendant advertised this in his price list at 3*s.* 10*d.*, whereas the usual retail price is 4*s.* 6*d.* A messenger visited the shop and purchased a packet for 3*s.* 10*d.*, and it was found that no Inland Revenue stamp had been placed upon it. Evidence as to the purchase was given by Miss Mary Edith Gosling. Defendant went into the witness-box and said he had no recollection of the sale, and did not remember having seen Miss Gosling. He had occupied the shop six or seven years without complaint, and his customers numbered about 2,000 a week. He had never sold antikamnia in packets, but kept it for occasional use in making up doctors' prescriptions. He could only suggest that on the occasion in question one of the assistants had sold a packet mechanically. Mr. Guy Pritchard urged, on behalf of the defendant, that it was unfortunate he received no intimation of proceedings until three weeks after the alleged sale, when he received a letter from Somerset House, and therefore he had been quite unable to trace the sale. He submitted, further, that the defendant was not likely to intentionally run the risk of a heavy penalty for the sake of a 6*d.* stamp.—Defendant was fined 1*l.* and costs—1*l.* 9*s.* 6*d.* in all.

## Apothecaries Act, 1815.

IS SURGICAL TREATMENT OUTSIDE THE ACT?

IN the King's Bench Division of the High Court on Tuesday, May 5, before Mr. Justice Channell and Mr. Justice Sutton, sitting as a Divisional Court, the case of the Society of Apothecaries *v.* Gregory was mentioned, Mr. Stuart Bevin, on behalf of the Society, applying for an extension of time for leave to appeal against the decision of Judge Tindal Atkinson in the Edmonton County Court in holding that the plaintiff Society was not entitled to recover from defendant penalties in respect to alleged infringement of the Act, as reported in the *C. & D.*, April 11, p. 555. Counsel explained that there had been an agreement to extend the time till May 2, but they were then told by the officials of the court that the time having expired notice of appeal could not be received unless application for extension was made and granted. He accordingly made application now. It was a case of considerable importance, and in the opinion of the learned Judge was a very difficult matter. Mr. Giveen resisted the application on behalf of the respondent; but their Lordships granted an extension of four days, the plaintiff Society to pay the costs of the application.

## Dentists Act, 1878.

"SPECIALIST."

AT the Birmingham Police Court, before Mr. L. Morton Brown, Stipendiary Magistrate, on May 4, R. Harley Lord, 168 Mary Street, Balsall Heath, answered to a summons by the British Dental Association for contravening Section 3 of the Act by using the description "specialist in artificial teeth," he not being registered as a dentist. Mr. Henry Percy Joscelyne, L.D.S., Birmingham, was the principal witness for the prosecution, and proved that defendant's name was not on the dental or medical register. It was proved that the word "specialist" appeared on defendant's house.—Mr. Jesson, for the defendant, submitted that no offence against the Act had been committed. The prosecution was mainly based on the word "specialist." That word appeared alone, and not in conjunction with "teeth." For the last fifteen years the defendant had been perfecting a non-poisonous anæsthetic, which, when applied to the gums, deadened the sense of pain and allowed teeth to be removed painlessly. He was engaged in dentistry previous to 1878, and he could have been on the register if he had paid the requisite fee. He had had a lifelong experience in dentistry, and his father was a dentist before him. There had been no deceit at all. On the contrary, the defendant had posted up in his lobby and in his room a notice to the effect that he was not a registered practitioner, and he always drew the attention of customers to the fact. The defendant bore out this statement in evidence.—Mr. Morton Brown, in finding the charged proved, said defendant's description of himself was such as to imply that he was a qualified practitioner. He imposed a fine of 20*s.* and costs.

## Sale of Food and Drugs Acts.

CHLORODYNE LOZENGES.

TWO adjourned summonses against a Padiham grocer named Edward Hitchen, for selling alleged adulterated chlorodyne lozenges and gum sweets, were down for hearing at the Padiham Police Court on Monday, May 4. When the case was reached Superintendent Pineock asked that they should be withdrawn, and without any observations the Magistrates gave their consent. In view of the result of similar cases at the adjoining town of Nelson last week, it had been expected that the proceedings would not be gone on with.

OXYMEL OF SQUILL.

BEFORE Mr. Denman, at the Marlborough Street Police Court, on May 5, the Foreign Chemists, Ltd., 49 Haymarket, London, S.W., were summoned, under Section 6 of the 1875 Act, for selling oxymel of squill which was certified to contain 38 per cent. of sucrose, which had been partially or entirely substituted for the honey of commerce prescribed by the B.P. Mr. Rotton, solicitor for the Westminster City Council, who prosecuted, explained how the B.P. directs oxymel of squill to be made, and how the sample in question differed from the official one.

Mr. Kirby, of Messrs. Neve, Beck & Kirby, solicitors, instructed by defendants, said there would be no necessity for the prosecuting authority to call any evidence, as the defendants admitted the offence. In reply to Mr. Denman, he explained that the preparation made with sugar cost more, tasted better, and looked nicer than honey. Coupled with these points was the fact that the article sold contained the full principal medicinal agents of the mixture. By this statement he did not, of course, mean to imply that the cost of the sugar added to its medicinal value. All he desired to point out was that there had been no attempt on the part of the defendants to gain money by substituting one thing for another. The

maker simply thought that by the use of sugar he was enabled to make a better article. Unfortunately the B.P. was ten years old, and he was afraid the case afforded another instance of the need for its revision. If the question at issue involved the value of the article he should be prepared to fight the case. Oxymel of squill was an old name, said to be several hundred years old. Since then the process of refining sugar had so improved, and bees had not improved their process of making honey, that sugar had to a great extent displaced honey in the making of a mixture of this kind. He therefore asked that the offence should be treated as a technical one.

Mr. Denman remarked that this preparation made from sugar ought, properly speaking, to be called by another name. The oxymel should be made with honey. He imposed a fine of 40*s.*, with 12*s.* 6*d.* costs.

## County Court Cases.

### A Machine to Make Fly-papers.

In the City of London Court on May 4, before Mr. Tyrrell Paine (Deputy-Judge), Mr. Kurt Keitel, Croydon, sued Messrs. Joseph Armfield & Co., engineers, 20 Mark Lane, for 79*l.* 16*s.* 6*d.* damages for breach of contract (see *C. & D.*, April 18, p. 588). The plaintiff invented a machine to produce fly-catching papers, which printed an advertisement on the paper, made a border of resin, and put on the sticky material in one operation. Defendants were employed to make the machine from plaintiff's drawings, and plaintiff said they had done it badly, which defendants denied. The case lasted for three days, and the Deputy-Judge found for the plaintiff on the claim for 51*l.* and costs, and for the defendants on the counter-claim for 42*l.*, without costs.

### A Judgment Summons.

In the Shoreditch County Court on May 6, before Judge Bray, the Union Cable Co., Ltd., 27 Eagle Wharf Road, N., sued Messrs. James Walters & Co., 19 Wilson Street, E.C., for the recovery of 4*l.* 0*s.* 5*d.*, which had become due under a judgment summons out of a debt of 15*l.* 18*s.* 11*d.* Mr. A. E. Robinson, for the plaintiffs, said that Mr. James Walters had carried on business as a druggists' sundriesman in Wilson Street, Finsbury. Since the judgment, however, the trading-name had been changed to the International Manufacturers' Agency, and apparently a very prosperous business was carried on. Judge Bray: And who does this agency consist of? Mr. Robinson: The defendant and his wife are the only directors of the company. Judge Bray: What sort of premises are they? Mr. Robinson: I should think the rent would run to about 75*l.* to 100*l.* a year. Judge Bray: The defendant is not here, I see; so I will make a committal order in default of paying 2*l.* a month.

### Ointment-makers Sued.

Judge Willis, K.C., had before him at Southwark County Court, on May 4, the case of Leah Rush *v.* Mesdames Hall and Hummerstone, ointment-makers, York Street, Walworth. The plaintiff, a cigarette-maker, had a bad finger, and attended the German Hospital for it, afterwards going to the defendants, who treated the finger. Plaintiff now alleged that as a result of the removal of a tendon by one of the defendants she had lost the use of her hand, and claimed damages. The witnesses for the defence included Dr. W. Stockert, of the German Hospital, who deposed that the tendon was necrosed, and Mrs. Mary Ann Hummerstone, who said the business was established by her husband's grandmother about 100 years ago, and stated that when the plaintiff first came to her she said she had been told at the hospital that she would have to have her hand off. After examining the wound witness told her that the poison had taken the tendon and it would gradually rot away. She added that she could treat her, but her finger would be stiff. After hearing the evidence of several grateful patients, the jury unanimously returned a verdict for the defendants, and judgment was given for them, with costs.

### Eduardo's Wines.

In the City of London Court on May 5, before Judge Rentoul, K.C., a claim was made by Eduardo et Cie., Ltd., 79 Mark Lane, E.C., wine merchants, against Messrs. Boler & Co., wine dealers, Climax Stores, London Road, Sheffield, to recover the sum of 16*l.* 4*s.* for meat-and-malt wine supplied. Mr. Valetta, for the plaintiffs, said that on February 19 their traveller, Edwards, called on the defendants and saw Mr. Boler, who gave an order in writing for the wine. Two days afterwards the wine was despatched, carriage paid, by the plaintiffs through Pickfords, and on February 24 they received a wire from the defendants saying that goods should not be sent, and would not be received if they were. Unfortunately by that time the wine was on its way to the defendants. When the wine was tendered to the defendants they refused to accept it, and it was now lying with the carriers at Sheffield awaiting the defendants' orders and at their risk. Mr. T. H. Aldous, for the defendants, contended that the property in the goods had never passed to them, as they had never been received in a technical sense. There was a very good reason for refusing to accept the goods, as the defendants were not satisfied that the plaintiffs had carried out their arrangement. Mr. Valetta, in reply, quoted the Sale of Goods Act, and Mr. Aldous did the same, whereupon Judge Rentoul said he would amend the proceedings by enabling the plaintiffs to claim damages for non-acceptance of the wine. He thought it was better to do that than to dismiss the action. The proceedings were accordingly amended. Mr. Victor Edwards, plaintiffs' traveller, was called to prove the order, and in cross-examination was closely questioned as to promises alleged to be made to Mr. Boler. He denied that he offered a sole agency, or that the wine was sold on sale or return, explaining on the latter point that the wine was returnable in six months in exchange for other goods. He said there is a ready sale for the wine on the market, and he could get 27*s.* per dozen for the goods now sued for anywhere else. Mr. Aldous said, that being the case, the plaintiffs had suffered no damage by reason of the defendants' non-acceptance of the wines. The defendant in evidence said the plaintiffs' traveller offered him the sole agency in Sheffield. The fact was to be advertised in all the papers in Sheffield, and the plaintiffs were going to give coupons away, and the people who received them were to go to witness for the wines. He bought the wine on sale or return. He afterwards found out something from a neighbour, and on this he decided to refuse to accept the plaintiffs' wine. Judge Rentoul, having regard to all the circumstances, gave judgment for the plaintiffs for 2*l.* for the defendants' non-acceptance of the goods, but he would not allow costs. The defendants would return the wine.

## Bankruptcies and Failures.

*Re* William Carter, East Grinstead, Chemist and Druggist. With reference to this failure, reported in our issue of April 18, p. 859, and previous issues, it should be noted that it is personal and does not affect the business of Messrs. H. S. Martin, Ltd., of 30 to 32 High Street, East Grinstead, of which Mr. Carter was lately the manager.

*Re* Edward Christmas Jones, trading as Robert Isaac Jones & Son, Drug Vendor, etc., Medical Hall, Tremadoc.—The public examination of this debtor took place at Portmadoc last week, the liabilities amounting to 455*l.* and the assets 40*l.* 16*s.* Debtor said he was fifty-two years of age, and had been a vendor of drugs since 1905. He had never had any free capital. The jointure of the businesses had been previously carried on by his late father. Debtor became his father's partner in one business in April 1901. They traded together for a few years, and then there was a dissolution of partnership. Debtor had introduced no capital, but he was to pay 50*l.* When they dissolved the father took about 32*l.* worth of book debts in discharge. Debtor retained the business. When the father died in 1905 debtor succeeded to the business at the Medical Hall. Debtor said he was entitled to the recipes for the preparation of certain proprietary medicines. The examination was closed.

*Re* Frederick James Towell Long, Chemist and Druggist, 1 New Bridge Street, Dover, trading as Long Bros.—The public examination of this debtor took place at Canterbury on April 30. The liabilities are 1,519*l.* 15*s.*, and the deficiency 843*l.* 11*s.* 5*d.* Debtor gave particulars of his failure (see *C. & D.*, April 11, p. 556), and said the Dover business had paid all the way along, but although the Ramsgate business was successful for the first year, three years after he found that it did not pay and he sold it to his brother for 500*l.* His brother had since

isposed of it. About three years ago debtor found he could ot pay all his debts. In order to retrieve his position he abbled considerably on the Stock Exchange. He dealt in differences," and within a few months he lost between 400*l.* nd 500*l.* His insolvency was due to loss on the Ramsgate usiness and hazardous speculation. He went to a money-ender eighteen months ago and signed for 60*l.* and received 0*l.* He had been to other moneylenders subsequently, sign-ng altogether for about 150*l.* Most of his creditors were rms he had always dealt with. They had not stopped his redit, but for two or three years he had not been able to ake discounts. The Official Receiver stated that in 1906 the ebtor's receipts, including book-debts, were 1,791*l.* 5*s.* 5*d.*, nd the payments 1,749*l.* 16*s.* 4*d.*, and for 1907 the receipts ere 1,550*l.* 10*s.* and the payments 1,765*l.* 8*s.* The examina-ion was adjourned. The following are creditors: Barron, Harveys & Co. (24*l.*); Burroughs Wellcome & Co. (10*l.*); Butler & Crispe (111*l.*); Baiss Bros. & Stevenson, Ltd. (51*l.*); V. Butler & Sons, Ltd. (22*l.*); Davy Hill & Hodgkinsons, Ltd. (54*l.*); W. Edwards & Son (38*l.*); D. & W. Gibbs, Ltd. 10*l.*); J. Goldhill & Co. (26*l.*); Houghtons, Ltd. (23*l.*); R. Hovenden & Sons, Ltd. (16*l.*); Kodak, Ltd. (21*l.*); Lane & Co. (13*l.*); Marion & Co. (15*l.*); S. Maw, Son & Sons (14*l.*); T. Newbery & Sons (31*l.*); Ingram & Royle, Ltd. (11*l.*); Sutton & Co. (26*l.*); and E. C. Jackson, Crediton (10*l.*).

## Deed of Arrangement.

Taylor, George Alan, Chemist and Druggist, Brinsley, near Eastwood, Notts.—Trustee: A. Watson, Alfreton, accountant. Dated April 27, filed May 4. Liabilities unsecured, 65*l.* The following are creditors: F. Dixon, Eastwood (30*l.*); J. Ormonde, Ilkeston (33*l.*); W. E. Comery, Nottingham 75*l.*); "Our Dogs" newspaper (12*l.*).

## Gazette.

### Partnerships Dissolved.

Butcher, W. J., and Leigh, W. H., medical practitioners, Westhoughton, Lancs., under the style of Drs. Butcher & Leigh.

Moore, M. M., and White, F. F., medical practitioners, Coventry, under the style of Milner Moore and Faulder White.

Colquhoun, Dr. Walter, 7 Stanley Street West and Clark, Dr. George Herbert, 24 India Street, Glasgow, under the firm-names of Colquhoun & Clark and James Hall & Son, as far as regards Dr. Clark.

### The Bankruptcy Acts, 1883 and 1890.

Receiving Orders.

Leslie, John Gordon, Southchurch Gardens, East Ham, London, E., surgeon.

Maggs, Frank, Bristol, chemists' export packer.

Stephens, Henry Channing, Purley, Surrey, late carrying on business at High Holborn, drug merchant.

Adjudication.

Maggs, Frank, St. George, Bristol, chemist's export packer.

## New Companies and Company News.

Bax Syndicate, Ltd.—Capital 1,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on at 723 Fulham Road, S.W., by C. W. Corpe and E. T. Ellen as the "Royal Food Co.," and to manufacture and sell foods, specialities, etc.

Crown Chemical Works, Ltd.—Capital 5,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with A. F. Gates, and to carry on the business of chemical-manufacturers, chemists, druggists, drysalters, oil and colour men, etc. Registered office, Marsh Gate Lane, Stratford, E.

Wickwar Chemical Co., Ltd.—Capital 25,000*l.*, in 1*l.* shares. Objects: To acquire certain land at Wickwar, Glos, with deposits of strontium or other minerals, to adopt an agreement with F. P. Dighton and C. H. Strickland, and to carry on the business of owners of mines, mining rights, and quarries, dealers in strontium, minerals, and chemical or other substances, chemical-manufacturers and dealers, etc. The first directors are James Hunter Little, E. Kingsman, and John Hunter Little. Registered office, Coelestine House, Wickwar, Glos.

J. H. Skelton, Ltd.—Capital 10,000*l.*, in 1*l.* shares (4,000 7-per-cent. cumulative preference). Objects: To take over the business of a mineral-water manufacturer, chemist, druggist, and drysalter carried on by Bessie Skelton at Eastwood, Notts, as "J. H. Skelton." The first directors are Bessie Skelton, W. A. Cooling, J. Marshall, and W. Taylor (each of whom may retain office during the life of the said Bessie Skelton). If any of the said directors (except Bessie Skelton) vacate office, she may, if holding 1,250*l.* shares or debentures, appoint a successor. Qualification, 50*l.* Remuneration as fixed by the company.

Benger's Food, Ltd.—The report for the year ended March 31 states that, after providing for depreciation, directors' and auditors' fees, and income tax, the trading (including income from investments) has resulted in a profit of 51,685*l.*, which, with 3,630*l.* brought forward, makes a total of 55,315*l.* The directors have paid interim dividend on the cumulative preference shares to September 30, 1907, also an interim dividend of 9*d.* per share on the ordinary shares, and have transferred 5,000*l.* to advertising and extension of business account, and 10,000*l.* to reserve. These appropriations absorb 28,875*l.*, and leave a disposable balance of 26,440*l.*, which is to be used for payment of the balance dividend on the preference shares, and a further dividend of 1*s.* 3*d.* per share on the ordinary shares (making 2*s.* for the year), leaving to carry forward 6,315*l.* Mr. Standen Paine has been re-appointed chairman and managing director for a further term of one year at a salary of 500*l.*

## Business Changes.

**Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.**

Boots, Ltd., are opening a new branch at 58 Parade, Sutton Coldfield.

Messrs. Raynor & Son, chemists, High Street, Uxbridge, have opened a branch at Gerrard's Cross.

Mr. Arthur A. White, chemist and druggist, Beaconsfield, Bucks, has opened a branch at Gerrard's Cross.

Boots, Ltd., have taken a corner shop in Broad Street, Pendleton, and extensive alterations are in contemplation.

Mr. F. S. Aldridge, chemist and druggist, has purchased the business of Mr. C. B. Thacker, chemist and druggist, in Church Street, Hadleigh.

Mr. W. E. Sellers, chemist and druggist, has taken over the business at Norton, Malton, Yorks, formerly carried on by Mr. John Spanton, chemist and druggist.

Mr. G. Turton Green, chemist and druggist, Henley-on-Thames, has removed from Bell Street to a new corner pharmacy in Market Place, double-fronted and elaborately fitted.

Mr. J. W. Bland, chemist and druggist, has bought the business at 318 Moseley Road, Birmingham, recently carried on by Mr. A. H. Russell, and formerly for many years by Mr. Evans.

Referring to the notice in last week's issue (p. 670), Mr. C. A. Maries, chemist and druggist, has not disposed of his business at 122 South Road, Waterloo. Mr. Maries has sold his branch in St. John's Road to Mr. Badcock.

Mr. Victor J. Woolls, chemist and druggist, of Cecil Square, Cliftonville, and Westbrook, Margate, has removed his branch at Ethelbert Square, Westgate-on-Sea, to more commodious premises at St. Mildred's Road, near the general post-office.

Mr. E. A. Jones, pharmaceutical chemist, has taken over the business of chemist and photographic dealer lately carried on by Messrs. Barker at 18 Trafalgar Street, Brighton. Mr. Jones was at one time on the staff of the London College of Pharmacy, and gained the Society's silver medal in 1903.

Mr. Charles Wass, chemist and druggist, Holbeach, has purchased the goodwill of the old-established business of chemist and wine-merchant in Market Place, Long Sutton, formerly carried on by Mr. E. Abraham, chemist and druggist. Mr. Wass will carry the business on as a branch and under qualified managership.

## Birth.

Knight.—At Galen House, Turney Road, Dulwich Village, on May 1, the wife of Wm. A. Knight, Ph.C., of a daughter.

## Marriages.

Day—Forrester.—At St. Mary's Church, Walthamstow, Essex, on April 23, by the Rev. Ambrose Bell, assisted by the Rev. Mr. Strong, Frederick Montague Day, Southampton, to Maggie Jane Stewart, youngest daughter of Mr. Andrew Forrester, chemist, Dysart and Cupar-Fife.

Dickins—Knight.—At St. Marylebone Church, on April 30, by the Rev. Prebendary Russell Wakefield, Rector of St. Mary's, Bryanston Square, assisted by the Rev. H. Saunders, Vicar Designate of St. Luke's, Nutford Place, John Peart Dickins, of Boothby Pagnell, Lincolnshire, to Rose Maud, eldest daughter of Mr. George J. Knight, principal of Windle & Co., chemists, Edgware Road.

Stamp—Watson.—On April 29, at St. James's Church, West Hampstead, by the Rev. A. E. Oldroyd, Vicar, assisted by the Rev. G. J. Ford, Rector of Ideford, Devon, and the Rev. H. C. Holmes, Rector of Thorpe Achurch, Northants, Francis Underwood Stamp, pharmaceutical chemist, 29 High Street, Hampstead, to Winifred Maude, eldest daughter of Mr. John Adam Watson, L.R.C.P., L.R.C.S.Edin.

Wright—Miller.—At Station Hotel, Kirkcaldy, on April 30, by the Rev. David James, B.D., James Geddes Wright, chemist and druggist, Partick, to Jeanie, youngest daughter of the late William Miller, contractor, Glasgow.

Wylde—Anderson.—At St. George's Presbyterian Church, Willesden Lane, N.W., on April 29, by the Rev. E. B. H. Macpherson, M.A., Cecil Richard Wylde, only son of Mr. John Wylde, of Mayfield, Chislehurst, and of Thomas Keating, Ltd., to Annie Jane, only daughter of the late A. Gardner Anderson and Mrs. Anderson, of "Ayrleigh," Willesden Lane, N.W.

Silver Wedding.

Hunt—Barker.—At Ebenezer Chapel, Plymouth, on May 7, 1883, by the Rev. W. H. Cave, Freeman Wm. Hunt, pharmaceutical chemist, to Emily A. Barker, of Plymouth.

## Deaths.

Conway.—At Leigh, Lancs, on April 29, Mr. John Jones Conway, chemist and druggist, aged sixty-two. Mr. Conway, who died very suddenly, was born at Bagiltt, Flintshire. After serving his apprenticeship to a chemist he acted for some years as assistant to a medical man in Flint, and during his residence in Flint Mr. Conway was a member of the local Town Council. About seventeen years ago he removed to Leigh as manager for Mr. H. B. Pare, commencing business on his own account seven years later. Mr. Conway took a prominent part in local affairs and in the King Street Wesleyan Church, of which he was a trustee. He leaves a widow and a son and daughter.

Davison.—At 258 Bath Street, Glasgow, on May 4, Margaret Keir, widow of Thomas Davison, pharmaceutical chemist.

Green.—At Ashton-under-Lyne, on April 10, Mr. Richard Green, chemist and druggist, aged seventy-two.

Greenhough.—At 43 St. Mildred's Road, Lee, S.E., on April 29, Mr. David William Greenhough, aged seventy-nine. Mr. Greenhough was senior partner in the firm of Messrs. D. W. Greenhough & Son, chemical brokers, 21 Mincing Lane, E.C., which business he established in 1868. He was born in Sheffield, educated at Mount St. Mary's College, Derbyshire, and at eighteen he was apprenticed for three years to Thomas Peacock Wreake, druggist, Glossop, where he had exceptional opportunity of acquiring a knowledge of the chemical-trade, his master having a considerable business with the cotton-mills in the neighbourhood. At the close of his apprenticeship he went as assistant to George Daniel Wreake, at Sheffield. Coming to London in 1852, he procured an appointment as assistant to Samuel Foulger & Sons, and he was afterwards with Joseph Pedler, Hockin & Wilson, Youngman McCan & Co., of Dowgate Hill Chambers, and with F. C. Hills & Co., of Dartford, with whom he spent seven years. He then commenced business on his own account. Mr. Greenhough's unique and varied experience enabled him to build up a good business connection mostly with wholesale and export druggists and chemical brokers, while his daily attendance on 'Change up to three years ago made him a familiar figure throughout the trade. Mr. Greenhough had an intimate knowledge of the Chilian iodine business, and for many years large quantities passed through his hands, as he was the intermediary through which the iodine syndicate conducted the business with the iodide makers and druggists in London. He also made a speciality of bichromates as London agent of Messrs. J. & J. White, Glasgow. In 1893 Mr. Greenhough took his son, Mr. Geo. D. Greenhough, into partnership, the style of the firm being changed to D. W. Greenhough & Son. Mr. Greenhough earned the highest respect throughout the trade, added to which his genial disposition and characteristic courtesy made it a pleasure to do business with him. He leaves a family of three daughters and one son. His wife predeceased him on exactly the same day of the month seven years ago.

Hawkes.—At Stratford-on-Avon, on April 22, Mr. Richard Hawkes, pharmaceutical chemist, aged fifty-nine.

Leeds.—At Bridport, on April 30, Mr. Frank Henley Leeds, F.I.C., F.C.S. Mr. Leeds received his early training in chemistry at the laboratories of the Pharmaceutical Society and at the laboratory of Professor R. Fresenius, Wiesbaden. After holding appointments at the Beckton tar and ammonia-products works of the Gaslight and Coke Co., he was employed by Kidd & Co., printing-ink manufacturers, and left them to take up the managership of the printing-ink department of Brooke, Simpson & Spiller, which he had to resign owing to indifferent health. Latterly he devoted himself entirely to technical literature, and in collaboration with Mr. W. J. A. Butterfield was the author of a standard text-book on acetylene.

Morison.—At Edderston Road, Peebles, on May 4, George Morison, chemist and druggist, Peebles, aged seventy-six.

Rogers.—At Brunswick House, Bexley Heath, on May 2, Mr. David Rogers, chemist and druggist, aged eighty-eight. Mr. Rogers carried on business in the Broadway for many years.

Shorter.—At Garden Reach, Calcutta, on April 23, Mr. Alfred Edward Shorter, managing director of the North-West Soap Co., Ltd., aged fifty-six. The company of which Mr. Shorter (an elder brother of Mr. Clement Shorter, the distinguished *littérateur*) had been manager for many years has factories in Meerut and Calcutta, and is the largest concern of the kind in the East. An illustrated account of the business, with a portrait of Mr. Shorter, appeared in the *C. & D.*, July 29, 1899.

The late Dr. Henry Clifton Sorby, F.R.S., Sheffield, left estate of the value of 45,643*l.* He bequeathed 15,000*l.* to the Royal Society for establishing a fellowship or professorship for the carrying on of original, scientific research, such scholarship if possible being tenable at the University of Sheffield, which University also receives 6,500*l.*

# Trade Notes.

Messrs. T. Morson & Son are to exhibit at the Franco-British Exhibition, as well as Messrs. Howard & Sons, Ltd., and other leading chemical manufacturers.

The Town Clerk of Cape Town suggests that manufacturers at home should consider the desirability of establishing branch works in Cape Colony, and he offers to give full information in regard to sites on application.

Photographic Novelties.—Messrs. Voigtländer & Sohn A.G., 12 Charterhouse Street, Holborn Circus, London, E.C., have issued an abridged list of their photographic novelties for the 1908 season. The new instruments are described and illustrated, and there are reproductions of some wonderful photographs which have been taken with Voigtländer apparatus.

Franco-British Exhibition.—Parke's Drug-stores, Ltd., have taken a stand in this Exhibition in the British Palace of Industries (Chemical Industries Section, No. 14, Stand No. 22), and have acquired a concession to sell, wholesale and retail, all the company's specialities, drugs, perfumes, chemicals, etc., of British make. The telephone number is "30 P.O. Franco."

Messrs. Thomas Christy & Co., Old Swan Lane, London, E.C., inform us that they have just introduced a wonderfully cheap accouchement-sheet, which is manufactured on the principle of the Christia tissue. The sheet is proof against heat and cold, water, oil, and spirit, and also stands tropical climatic conditions. The wholesale price is 16s. per dozen sheets, each being packed in a box.

Messrs. Solport Bros. have just published their illustrated price-list for 1908. It is devoted solely to goods of their own manufacture, comprising corn and bunion plasters, bath and flesh gloves, friction flesh gloves and straps, chest-protectors, body-belts, hot-water bottle covers, respirators, powder puffs, and face-leathers, and other popular and saleable druggists' sundries. A copy of the price-list will be sent to any buyer on application to the firm at 189-190 Goswell Road, London, E.C.

Raynaud's Perfumes.—Messrs. Claude Raynaud & Cie., Grasse, have closed their London office at 7, 8, and 9 Hosier Lane, London, E.C., and have appointed Messrs. Jules Denoual & Co., Carlton Works, New Cross Road, London, S.E., as sole agents for the sale of their perfumes and other products in the United Kingdom and the Colonies. Messrs. Denoual have transferred all the stock in London to their own premises, and they expect to make considerable developments in this new department of their business. They have just acquired magnificent new premises in the vicinity of their present factory to which they will shortly remove, and they propose to devote a whole floor of the building to the perfumery department.

Hawley's I.K. Insect-killer.—The illustration embodied in this paragraph is a reduced facsimile of the boxes used by Messrs. Evans Sons Lescher & Webb, Ltd., London and Liverpool, for Hawley's I.K. Insect-killer. This is a new insecticide, differing from ordinary insect-powder. It actually kills the insects, such as ants, beetles, cockroaches, and fleas. It is packed in lever-lid tins at 2s. 9d., 4s., and 8s. per dozen, and in bellows at 4s. per dozen. It is attractively got up, and the season for it is approaching at home, while abroad it may always be in demand, for it is as fatal to mosquitoes as it is to the other insects named.

"City Directory."—The 1908 edition of this valuable work of reference has just been published at the offices of the City Press, 148-9 Aldersgate Street, E.C., at 12s. 6d. It contains a complete list of the firms carrying on business in the City, while the section concerned with the local life of London gives a full list of members of the Corporation, a list of the members and committees of the London County Council, and a summary of the history of the City Companies. Other features comprise a list of the members of the new Government, portraits and short biographical sketches of the aldermen, the masters of City Companies, lists of members of the Lieutenancy and Lloyd's, and a map in colours of the City.

Edwards' Harlene Co., High Holborn, London, W.C., inform us that the "Hair-Drill" advertising which they have recently engaged in has had excellent response from the public, and it is well that chemists should closely follow this by meeting the demand for the three preparations which are used in the "Drill." These are "Harlene" itself, "Uzon" (a brilliantine), and "Cremex" (shampoo-powder). The last two preparations are comparatively new, but the company inform us that they have a considerable demand for them from the public direct, owing to the difficulty in purchasing locally. The company would much prefer that the demand should be met by retailers, and it may be noted that the wholesale and retail prices of all these preparations are now "protected," so that it pays to handle them.

"Doomo" Airship Flycatcher.—Messrs. John H. Smith & Co., Newark-on-Trent, are introducing this season a new flycatcher on the roller-blind principle. It consists of a tray for the adhesive material, within which is a roll of parchment paper 16 in. long and 3 in. wide. The roll, or band, can be drawn out a few inches at a time, as indicated in the sketch. Each "catcher" is wrapped in a grease-proof cover, and three dozen packed in a box. In some respects the band is an advantage over narrow tape, and it can be hung out of the reach of children, but in the fly region.

Pyrozone Solutions.—Medical and surgical practitioners are awaking to the value of hydrogen peroxide as a bactericide and detergent, and in recent issues of the "British Medical Journal" there has been some correspondence on the subject. For example, in last week's issue, Dr. G. S. Hovenden, of Barnes, writing in regard to a refractory case of boils, tells how he

> wiped out the small opening leading to the inflamed area with a pledget of wool soaked in peroxide, covered it with a moist dressing of peroxide and water, 1 in 3. In a few hours there was obvious improvement, and in three days the place was well. On a similar condition developing on another finger no attempt at opening up the bead of pus was made; an application of the peroxide cut the inflammation short in a night.

We have had the opportunity of seeing the value of the peroxide, but the matter is referred to now with reference to the timely introduction into this country of Messrs. McKesson & Robbins' pyrozone solutions (3 and 25 per cent.—the latter ethereal), through the agency of Mr. A. C. Wootton, 14 Trinity Square, London, E.C. The solutions are prepared from absolute $H_2O_2$, dissolved in menstrua which afford stable and pressureless solutions, and they have acquired a high reputation in the United States. Mr. Wootton will supply any chemist with an interesting pamphlet on the therapeutic applications of pyrozone solutions; and in view of the growing professional interest in the subject this should with advantage be introduced to the notice of medical practitioners. Pyrozone solutions are put up well, from the points of view of use and preservation.

# Information Wanted.

**Inquiries for the names and addresses of manufacturers or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.**

186/7. Makers or agents for Glycophenin.

191/34. Hartmann's "Neurasthin": where obtainable?

62/189. Who are makers or agents for Ralph's artificial camphor?

1/08. Name and address of makers of the Bashlin telephone disinfectors.

# Westminster Wisdom.

(From our Parliamentary Representative.)

### Registration of Nurses.

In the House of Lords on May 6 Lord Balfour of Burleigh's motion for the second reading of the Official Directory of Nurses Bill was defeated by fifty-three against twenty.

### Deaths under Anæsthetics.

Replying on Tuesday to Mr. Bramsdon, the Home Secretary (Mr. Gladstone) said he has not yet completed his inquiries in regard to deaths from anæsthetics, and added, "I am not certain that a formal investigation is either necessary or desirable, but the matter is receiving careful consideration."

### Commercial Travellers and Bankrupt Employers.

The position of commercial travellers engaged on a commission basis when their employers go into bankruptcy forms the subject of a question to be put by Mr. Summerbell in the House next week. The hon. member intends to point out to the Board of Trade that commercial travellers who are paid by salary are, in the event of their firms failing, entitled to rank as preferential creditors, whereas those working on commission rank as ordinary creditors only. Mr. Summerbell will ask whether the Board of Trade will promote an amendment of the Bankruptcy Acts which will provide that all commercial travellers, whether paid by commission or salary, shall rank as preferential creditors.

### Shops Bill.

Sir Charles Dilke's Shops Bill was read a second time in the House of Commons on May 1, and was referred to Committee of the whole House. The measure proposes to amend the existing Shop Hours Act by making it compulsory on local authorities to make closing orders which shall fix the hours on the several days of the week on which all shops throughout their area are to be closed for serving customers, and also fixes a working week of not more than sixty hours for shop assistants. It will not apply to shops kept open solely for the sale of, *e.g.*, medicines or medical and surgical appliances. The Home Secretary, while agreeing to the second reading, said he saw no prospect of the Bill making further progress this Session.

### Traders' Weights and Measures.

The representative of the Board of Trade was asked by Mr. Bowerman on Wednesday whether his Department had been requested by local authorities administering the Weights and Measures Act to withdraw or modify Regulation 9, 1907, which requires the authority to arrange that the premises of every trader are visited by an inspector for the purpose of inspecting all weights, measures, and instruments in use for trade at least once a year, or once in two years in certain cases with the special sanction of the Board of Trade; and whether, in view of the importance of protecting the interests of purchasers, he would give an assurance to the House that this regulation would be strictly adhered to and enforced. "A few of the local authorities administering the Weights and Measures Act," replied Mr. Kearley, the Parliamentary Secretary to the Board, "have asked for the amendment of the regulation in question, or that their districts may be exempted from its operation, but the Board of Trade have not in any case acceded to the application, and have no intention of doing so."

### Stamping of Glass and Earthen Measures.

The new weights and measures regulations prevent inspectors continuing the practice of verifying and stamping earthenware and glass measures on the makers' premises. Mr. John Johnson has this week questioned the Secretary to the Board of Trade about the matter, and has received a reply to the effect that "the stamping on manufacturers' premises of glass and earthenware measures is on a different footing to that of other measures or of weights or weighing-instruments, inasmuch as in the case of the former measures alone an allowance may be made to the manufacturer under Section 13 of the Weights and Measures Act of 1904 for the assistance rendered by him, or for the use of tools, premises, machinery, or instruments. This allowance is expressly subject to the consent of the Board of Trade, and in order to prevent, as far as possible, allowance being improperly given without such consent the stamping of the measures in question on manufacturers' premises without the sanction of the Department being obtained, has been prohibited by the regulation referred to. There seems no reason why the regulation, which was framed to secure uniformity of practice, should be deleted."

# Personalities.

Mr. Herbert Knott, chemist, Bolton, has been elected sidesman of All Souls' Church, Bolton.

Mr. W. R. Blain, pharmaceutical chemist, Bolton, has been elected People's Warden of the Bolton Parish Church.

Mr. Ralph L. Cassie, chemist and druggist, has been re-elected Senior Churchwarden of Christ Church, Newgate Street, E.C.

Mr. Ralph McIntyre Mudie, of Henry Hodder & Co., Ltd., was recently exalted in the Beaufort Royal Arch Chapter 103, Bristol Province.

Mr. Fred. W. Wilson, representative for Bleasdale, Ltd., of York, has been elected Vice-President of the York Commercial Travellers' Association.

Mr. Percy Knott, chemist, Bolton, has been elected Chairman of the Bolton Board of Guardians and a member of the Union Assessment Committee.

Mr. Charles Thomas Ward, chemist and dentist, of Southwick, Sussex, has been returned people's churchwarden for the eighteenth year in succession.

Mr. W. E. Goff, pharmaceutical chemist, of Messrs. Horrell & Goff, Dartford, has been elected Chairman of the Burial Committee of the Dartford Urban Council.

Mr. W. Dawn Copley, of Bulawayo, Rhodesia, left Cape Town on April 20 by the *Tintagel Castle* for Southampton. During his visit correspondence for Mr. Copley will be received at the *C. & D.* office.

Mr. Butler, the popular Secretary of Camwal, Ltd., has been somewhat seriously indisposed recently, and has had to undergo two operations, which it is confidently hoped will put him on the way to renewed health and strength.

Mr. A. J. Pratt, chemist and druggist, Reigate, has been elected Vice-Chairman of the newly formed Chamber of Commerce for Reigate and Redhill, and Mr. W. H. Fowler, pharmaceutical chemist, Redhill, is a member of the Council.

The President of the Society of Chemist-Opticians (Mr. Julius Cæsar) has issued a postcard soliciting the votes and influence of members on behalf of Mr. J. Harcombe Cuff who is one of the new candidates for election on the Council of the Pharmaceutical Society of Great Britain.

Mr. T. H. W. Idris, M.P., presided at the annual dinner of the Regent's Park Rifle Club on May 2, when both Mr. Idris and Mr. Adpar Jones spoke of the utility of rifle clubs. Idris & Co., Ltd., are patrons of the club, and the "Idris" Challenge Cup is one of the principal prizes.

To celebrate the marriage of Mr. Arthur G. Cope, Ph.C., to Miss B. V. Cross, daughter of Alderman Gowen Cross, chemist, of Shrewsbury, his father, Mr. Charles Cope, J.P., Chief Bailiff of Tunstall, entertained a company of 250 guests to dinner and a conversazione at the Town Hall, Tunstall, on April 30. In the course of the evening the health of the newly married couple was enthusiastically toasted, after which the tenants and workpeople of Mr. Charles Cope presented the bride and bridegroom with a handsome black-marble clock and side pieces. Alderman W. Gowen Cross, father of the bride, was present, and acknowledged the toast of "The Visitors."

Dr. A. Campbell Stark, whose connection as a pharmacist with the Chemists' Assistants' Association is of comparatively recent date, reports in the "Lancet" a case of poisoning with potassium bromide. His patient (a pregnant woman of thirty-five) took altogether 4½ drachms. She recovered after a two days' sleep and strychnine injections.

# Observations and Reflections.

By Xrayser.

**Messrs. Cuff and Gibson**

deserve the thanks of the trade, or at least of the Pharmaceutical Society, for saving that body from the discredit of an uncontested Council election a second year in succession. As it is, only one candidate more than the prescribed number in two years is not a healthy condition. There ought to be so much emulation among the members to serve on the governing body as would ensure a vigorous contest for the seats every year. It is not desirable that present members should be too sure of their seats, and it is desirable that election should be regarded as an honour. There is not much in the "new blood" theory unless three or four new members come in at once, and come in with a distinct purpose. For that it is necessary to wait for the evolution of some divine discontent with current policy. At present "loyalty," which means marching up the hill one year and down it the next at the bidding of the Head Centre, is the necessary condition for successful candidature.

**According to Dr. McWalter**

modern sick persons revolt against nauseous medicines, and signify their objection either by leaving their doses untaken or by changing their doctors. Probably this is true in a large degree; elegant pharmacy has made cowards of us all. Our robuster ancestors preferred their physic to be nasty; did not believe in it if it was not. Think of the enormous popularity of such medicines as balsam of sulphur and Dippel's animal oil a century or two ago; or of the "extract of all flowers" which was the euphemism for an infusion of cowdung; of the multitude of medicines made from all kinds of excrements, oils of frogs or of puppies, dried and powdered toads, and worse things still. "For my vapours," wrote the fashionable Madame de Sevigné to her daughter on June 13, 1685, "I take eight drops of essence of urine." In living memory brimstone and treacle was the standard medicine for children, and black draught for adults. Twentieth-century exquisites would hardly sleep at night with the prospect of this draught before them in the morning. Anæsthetics have made us tender in regard to bodily pain. We can hardly bear to read of the tortures and martyrdoms of the Middle Ages; we cannot conceive that we could suffer them. Every daily paper in the land lifted up its voice in bitter wailing because of a cold week in April; our Britannic parents, with only a coat of paint between them and the snow, perhaps scarcely distinguished between 32° and 90°. It is right to be thankful for our ameliorations, but they have made us pitiful degenerates.

**Goddard's Drops**

are always credited, or perhaps I should say debited, to Jonathan Goddard, Gresham Professor of Physic and one of the founders of the Royal Society. It appears that the present Professor of Physic at Gresham College supports this opinion, and he ought to know. But I do not gather that he has got his information from original sources, and there is certainly a doubt. Dr. William Salmon, in his edition of "Bates's Dispensatory," who gives an amazing formula for these drops and a modification of it of his own, adds:

> The author of this recipe was not that Goddard whose recipes and prescriptions are scattered up and down in several places of this book, but the famous W. Goddard, a great philosopher and physician who deserved well of the world in his day and time, and who even in this remedy left himself an immortal name. And this is the true medicine which was purchased of the doctor by King Charles the Second, so much famed through the whole kingdom, and for which he gave him, as it is reported, fifteen hundred pounds sterling.

Salmon had lived in the reign of Charles II., and was himself in the quack line, so that he, too, might be expected to be well informed. His figure of 1,500*l.* is also a little near the market price of quack formulæ than that of 5,000*l.* or 6,000*l.* which other authorities quote. It may be, however, that one amount was as good as the other for the promissee, for Charles was not always financially reliable. But now for the other side. In the

**Roll of the College of Physicians**

by Dr. William Munk, published by the College in 1878, the invention of these drops is expressly attributed to Jonathan Goddard, M.D., and it is from this authoritative source, I believe, that the "Dictionary of National Biography" takes its facts. Dr. Munk was librarian of the College of Physicians, and had access to the best sources of information. It must be recognised that he, too, ought to have known. His statement is that

> Dr. [Jonathan] Goddard was a good practical chemist and the inventor of certain volatile drops, the Guttæ Goddardianæ *vel* Anglicanæ, as they were termed on the Continent, long in great repute, and commended by Sydenham, who gave them a preference over all other volatile spirits whatsoever.

Let it be remembered that Jonathan Goddard was intimately associated with Oliver Cromwell, was his principal physician during his Irish and Scotch campaigns, was appointed by the Protector Warden of Merton College, Oxford, represented the University in the "Little Parliament," and became a member of the Council of State. This career was not likely to make him a *persona grata* at Court after the Restoration. Dr. Munk mentions besides a Dr. William Goddard who was admitted a Fellow of the College in 1634, and informs us that this gentleman was by vote of his colleagues dismissed from his Fellowship on November 23, 1649, on the allegation that he had been contumacious by refusing to attend at his place in the College, though repeatedly summoned by the President: *Decreto Collegii societate locum amisit.* The offending doctor took his case to the King's Bench, but was defeated. He looks more like the Goddard of the drops fame. Contumaciousness was sometimes a synonym for inventing a quack medicine.

**Jay Mack**

is uncomfortably modern, and not properly reverent towards our cherished traditions. Last week he put his profane finger on that most respectable fetish of pharmacy, our "personality," our faith in which strikes him as "smacking of conceit." He immediately hedges, however, adding, "I may be wrong." Of course, he is wrong. Proper recognition of the margin of superiority which distinguishes us from the rest of the world, and the devotion of that margin to the service of our customers, is philanthropic perception, not conceit. The trouble about "personality" as a business asset, however, is that it will not take you far. As soon as your business grows, you try to eliminate it. You take a house in the suburbs; at the shop you leave the counter to the assistants, perhaps you convert the business into a company. Then, prosperous and content, comes the time when you can prepare an essay to the next generation on the importance of cultivating "personality" in their business.

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New Regulations affecting the importation of merchandise at Vladivostock have been drawn up, by which vague declarations such as "apothecaries' goods" will not suffice. The importation of opium and patent medicines is expressly forbidden.

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PREVENTS

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| No. 1 Finest Pure CRUSHED LINSEED | 20/ cwt. | Finest Pure STARCH POWDER | 22/ cwt. |
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# Editorial Comments.

## Industrial Methylated Spirit.

A GENERAL ORDER has been issued recently by the Excise authorities to their staff directing them to obtain a return of the quantities of industrial methylated spirit used by each chemist or other person authorised to use it, with instructions to call for a similar return annually hereafter. These returns have now to be obtained and forwarded to the Government Laboratory by May 1, and neglect to comply with this official demand will involve a withdrawal of the official permission to use industrial methylated spirit. Last year we drew attention to this annual statement, with a view to care being exercised in its compilation lest the inadvertent admission of any supplemental use in photography or any manner other than that sanctioned might involve the user in much questioning by the authorities. There is reason to suppose that the warning has not been sufficiently heeded, and though this year instances of delay have come to light in making the required return, the recent action of Somerset House in proceeding against a firm of chemists for a technical infringement of the regulations is sufficient warning to chemists of their duties and responsibilities in this

respect. The Excise authorities apparently feel themselves to be on thin ice over this usage of a purer spirit, and the surveying examiners are specially instructed that they must satisfy themselves that the regulations governing the use of industrial methylated spirit are strictly observed. The only latitude as to the precise limits of use allowed is in the case of public analysts and other analytical and consulting chemists of recognised standing, the multifarious nature of whose work prevents the application of a hard-and-fast rule. Whether the particulars entered by chemists on these forms are handed on to the income-tax branch or not we cannot say, but the volume of the trade done by a brewer, distiller, tobacco-manufacturer, and, probably, licensed methylator is so treated; and it is to be borne in mind that the Inland Revenue Department is not a department that exists exactly for the sake of benefiting trade. Excise officials mean to have a yearly overhauling, which will necessitate an annual scrutiny on the part of the trade; and we repeat that all who have the authority should be most particular in regard to what they do with the industrial spirit, as we have reason to believe that the recent prosecution is intended to be a general warning.

## Doctors as Physic-suppliers.

Another interesting question is at present causing some stir in Lancashire. It bears directly upon the question of dispensing by medical practitioners, and the legality of their charging for medicines. The question arose in the following manner: At Ulverston County Court last week Mr. R. H. Beardsley, L.R.C.P. and S.E., L.F.I.S.G., of Grange, sued Mr. Willan, of Holme Island, for 80*l.* 17*s.* 6*d.* for medical attendance and medicine supplied. In the course of the hearing plaintiff stated that he is not licentiate of the Society of Apothecaries, and Judge Steavenson, in giving judgment, said he did not consider the degrees held by Dr. Beardsley entitled him to charge for medicines, and that part of the claim must come out. A sum of 50*l.* had been paid in court, and a verdict was given for plaintiff for 13*l.* 18*s.* 6*d.* Thereupon a Lancaster paper, in commenting upon the case, remarked that

> the present method of most doctors supplying medicines to their own patients is surely the best, because they can see to the purity and excellence of the drugs used and the medicines are also made up by themselves or under their direction.

Lancaster chemists at once took this point up and declared that the paragraph is misleading. They said that chemists and not doctors are the men who are competent to dispense and compound medicines, being specially trained and examined for that very purpose, whereas the training of doctors in this particular branch of the profession is merely nominal. It is quite as unreasonable, they said, to expect doctors to be experts in drugs and medicines as it is for chemists to be experts in physiology and therapeutics. In France and other Continental countries, doctors are not allowed to dispense medicines except in certain cases, these countries recognising, they argued, that it is against public policy for the person who signs the death certificate to also supply medicines; in other words, the chemist is a check on the doctor and the doctor on the chemist. And it is done not for the benefit of the doctor or chemist, but for the safety of the patient.

Our Lancashire friends are probably right in saying that it would be "a great step in the advancement of medical science" if physicians gave up dispensing medicines, and if Judge Steavenson's interpretation of the law be right a big step towards that desirable consummation would be made. But we are afraid his Honour has overlooked Section 6 of the Medical Act, 1886, which is as follows:

> On and after the appointed day [in June 1887.—Editor] a registered medical practitioner shall, save as in this Act mentioned, be entitled to practise medicine, surgery, and midwifery in the United Kingdom, and (subject to any local law) in any other part of her Majesty's dominions, *and to recover in due course of law in respect of such practice any expenses, charges in respect of medicaments or other appliances*, or any fees to which he may be entitled, unless he is a Fellow of a college of physicians, the Fellows of which are prohibited by by-law from recovering at law their expenses, charges, or fees, in which case such prohibitory by-law, so long as it is in force, may be pleaded in bar of any legal proceedings instituted by such Fellow for the recovery of expenses, charges, or fees.

Dr. Beardsley is a registered medical practitioner and not a fellow of a college of physicians, so that he has the right to sue for medicines. Accordingly, there is no hope, as far as we can judge from the report, that last week's decision is one which can be sustained, or which can have general influence in stopping the existing practice.

### Chemists' Privileges.

Another example of the advantages of being a registered chemist is reported in this issue, where a Bradford retailer who is not a chemist and druggist (although many daily papers said so) has been prosecuted for selling quinine-wines without a wine-licence. The prosecution was undertaken by the police, and it is probable that the police authorities in other centres will also take the matter up. The advantages and disadvantages of qualifying are not confined to the privileges of the Pharmacy Act, 1868, and it is for registered men to make the most of what they have.

### Chlorodyne Lozenges.

There is trouble still in the Nelson district about the sale of chlorodyne lozenges, and much correspondence in local papers. A "lozenge hand" complains bitterly of the agitation which jeopardises the living of so many people—*i.e.*, those who make the lozenges, not those who take them—and he complains that "there is now on foot an agitation to compel small traders to take out a drug-licence before they can retail chlorodynes." This is interesting, for chlorodyne or anything called chlorodyne is technically liable to medicine stamp-duty, which means that it can only be sold by a chemist or licensed patent-medicine vendor. The Board of Inland Revenue in 1886 intimated that liability to medicine stamp-duty would not be incurred by using a label worded "Chlorodyne. Dose for a grown person, from 15 to 30 drops in water." This is a concession which does not do away with the licence where it is necessary. The question of the sale of chlorodyne lozenges is, in this connection, a subtle one, and we are not prepared to say that the title is *per se* entirely outside the Board's ruling as regards chlorodyne. The law takes no cognisance of composition in such matters. Whether a thing is or is not what it is said to be is immaterial to its dutiability; but it is not desirable to force confectioners into the patent-medicine business.

### A Point for the Committee.

When Mr. Middleton, of the Board of Agriculture, gave evidence before the Joint Committee on the Poisons and Pharmacy Bill he stated, in reply to Mr. Idris, that one reason why the Board recommended three dips free from arsenic was the restrictive provisions of the Pharmacy Act as regards arsenic. Another reason he did not mention is stated in the Board's leaflet on sheep-scab, where it is remarked with reference to preparations containing arsenic:

> The possible danger to human beings attendant upon the preparation of such dips renders it advisable that they should be compounded by qualified persons only.

It seems advisable to have this point brought before the

Committee once more. Danger to human beings is the main issue, and it occurs right up to the time that the preparations are used by the dippers, therefore there should be no lapse in the selling of them because makers kick at the legal precautions placed between them and the public in distributing such dangerous articles.

## The Canadian Formulary.

A Continuation of the new recipes published in the "Canadian Formulary of Unofficial Preparations" (Ontario College of Pharmacy, Toronto, 50c.).

**Elixir Sodii Salicylatis Compositum.**

| | |
|---|---|
| Sodium sulphate ... ... ... ... | 10 oz. |
| Sodium salicylate (from oil of wintergreen) ... ... ... ... ... | 800 grains |
| Magnesium sulphate ... ... ... | 9 oz. |
| Lithium benzoate ... ... ... | 400 grains |
| Tincture of nux vomica ... ... ... | 2 fl. oz. |
| Solution of carmine ... ... ... | 6 fl. dr. |
| Simple elixir, sufficient to make ... | 40 fl. oz. |

Dissolve the salts in 24 fl. oz. of simple elixir by trituration, add the tincture of nux vomica and solution of carmine and sufficient simple elixir to make 40 fl. oz. Filter if necessary.

**Elixir Viburni Compositum.**

| | |
|---|---|
| Fluid extract of hydrastis ... ... | 1½ fl. oz. |
| Fluid extract of viburnum opulus ... | 3 fl. oz. |
| Fluid extract of scutellaria ... ... | 1½ fl. oz. |
| Fluid extract of mitchella repens ... | 1½ fl. oz. |
| Aromatic syrup of liquorice ... ... | 6 fl. oz. |
| Aromatic elixir, sufficient to make ... | 40 fl. oz. |

Mix the fluid extracts, then add the aromatic syrup of liquorice, and agitate, then add the aromatic elixir. Filter through paper sprinkled with talcum, if necessary.

**Emulsio Olei Morrhuæ cum Ferri Phosphato.**

| | |
|---|---|
| Cod-liver oil ... ... ... ... | 20 fl. oz. |
| Soluble ferric phosphate ... ... | 240 grains |
| Powdered acacia ... ... ... ... | 5 oz. |
| Syrup of orange ... ... ... ... | 2½ fl. oz. |
| Syrup of tolu ... ... ... ... | 2½ fl. oz. |
| Distilled water, sufficient to make ... | 40 fl. oz. |

Prepare a primary emulsion of the cod-liver oil with the acacia and 10 oz. of water at 90° F., then add the syrups, under constant stirring. Dissolve the soluble ferric phosphate in 3½ fl. oz. of water, and add this, under stirring, to the mixture, and follow with sufficient water to make 40 fl. oz.

Each fl. oz. contains 6 grains of ferric phosphate.

**Essentia Limonis.**

| | |
|---|---|
| Oil of lemon (fresh) ... ... ... | 1 fl. oz. |
| Lemon-peel (freshly grated) ... ... | 1 av. oz. |
| Alcohol ... ... ... ... ... | 28 fl. oz. |
| Distilled water ... ... ... ... | 12 fl. oz. |
| Magnesium carbonate ... ... ... | 4 drachms |

Mix the oil of lemon and the lemon-peel with the magnesium carbonate. Triturate well, then slowly add the alcohol and distilled water, previously mixed, meanwhile continuing the trituration; macerate for twenty-four hours, then filter and add sufficient of the mixed alcohol and water to make 40 fl. oz.

**Essentia Pepsini Phenolata.**

| | |
|---|---|
| Phenol (absolute) ... ... ... | 25 grains |
| Essence of pepsin, sufficient to make ... | 40 fl. oz. |

Dissolve the phenol in the essence of pepsin, and filter if necessary.

**Ext. Cascaræ Sagradæ Arom. Fluidum.**

| | |
|---|---|
| Cascara-bark (in coarse powder) ... | 60 oz. |
| Liquorice-root (in coarse powder) ... | 10 oz. |
| Calcined magnesia ... ... ... | 12 oz. |
| Gluside ... ... ... ... ... | 40 grains |
| Sodium bicarbonate ... ... ... | 10 grains |
| Oil of coriander ... ... ... ... | 15 minims |
| Oil of aniseed ... ... ... ... ... | 20 minims |
| Alcohol (95-per-cent.) ... ... ... | 1 oz. |
| Glycerin ... ... ... ... ... | 24 oz. |
| Distilled water (boiling) ... ... | 100 oz. |

Mix the cascara, liquorice, and magnesia thoroughly, and moisten thoroughly with the water, stirring well. Place the mixture in a suitable, well-covered container, and macerate for twenty-four hours, then pack moderately tight in a percolator, and percolate with boiling water until exhausted. Evaporate the percolate over a water-bath (or steam-bath) until it measures 54 fl. oz. Dissolve the gluside in 1 fl. oz. of water with the aid of the sodium bicarbonate. Dissolve the oils in the alcohol, and mix both solutions with the glycerin, then add the concentrated percolate, and shake thoroughly.

## Association Affairs.

### Bournemouth Pharmaceutical Association.

The members of this Association gave a whist-drive at the Gervis Hall Restaurant on Wednesday evening, April 29. There was a smaller attendance than usual, only ten tables being in use. At the close the President (Mr. C. F. R. Pars) presented the prizes to the winners, and a vote of thanks was accorded the M.C. (Mr. J. H. Scampton) and the Hon. Secretary (Mr. W. A. Bingham).

### N.E. Lancashire Chemists' Association.

There was a fairly large attendance at a meeting of the committee of the Association at the White Bull Hotel on Wednesday evening, April 29, when various subjects were discussed. The Poisons and Pharmacy Bill came under review, and it was ordered to be placed on the agenda for the next general meeting, when a resolution of support will be introduced. Other matters were dealt with in private.

### Barnsley Chemists' Association.

A Meeting was held at the Royal Hotel, Barnsley, on April 30, Mr. W. Rigby presiding. The Secretary read letters from candidates for the Pharmaceutical Council, and Mr. Norwood urged the members to do their utmost to secure the re-election of Mr. M. Carteighe. The Secretary then read the report by Mr. F. P. Sargeant, who had set the questions and adjudicated the answers in the recent apprentices examination, the winners being: (1) R. Blackburn, (2) F. Lindley, and (3) A. Green. Mr. Jones's paper on his South African experiences was postponed. It was decided to have another summer excursion, and a small sub-committee was appointed to make the arrangements.

### Cheltenham Chemists' Association.

A Meeting was held at 5 Promenade, Cheltenham, on Thursday, April 30, Mr. John Fletcher (President) in the chair. Messrs. W. Barron, J. A. Thomas, M. C. Mansbridge, A. Hill, H. B. Clarke, T. T. Dolman, C. J. Willis, C. H. James, W. Palmer, S. J. Robinson, A. E. Lane, F. W. Evans, and W. H. Hill (Hon. Secretary) were also present, and the Treasurer's statement showing a balance in hand of 14*l.* 12*s.* 10*d.* was agreed to. The Pharmacy Bill was discussed, but as none of the members present were very clear about the Bill the Secretary was requested to obtain a copy of it. Mr. C. Mansbridge gave an account of a visit to Port Sunlight.

### Federation of Local Pharmaceutical Associations.

A Meeting of the Executive of the Federation was held at 17 Bloomsbury Square, London, on May 6. There were present Mr. W. L. Currie (President), Mr. J. C. Pentney, Mr. John Smith, Mr. H. Antcliffe, Mr. J. C. Park, and Mr. Edmund Jones. The chief topic of discussion was the suggested Pharmaceutical Defence Union (see *C. & D.*, May 2, p. 676). Mr. W. J. U. Woolcock attended to explain the scheme. With reference to a letter from the Exeter Association referring to Clause 5 of the Pharmacy Bill, the Secretary was directed, in his reply, to point out that a wrong construction had been put on the clause.

### Association of Women Pharmacists.

A Meeting was held at University Hall, Gordon Square, on Monday, April 27, when Miss Buchanan read a paper on

The Present Position of Women in Pharmacy.

There was a good attendance of members and friends. Statistics were given as to the number of women chemists employed in various positions, some 60 per cent. or more being connected with institutions, while the rest are in business, dispensing for doctors, or employed in analytical work, etc. The average salary in institutions appears to be about 70*l.* indoors, or 118*l.* outdoors, the latter usually with dinner and tea. As regards prospects of success in business, several women employed in it are convinced that an opening for others lies in this direc-

tion. Miss Buchanan insisted strongly on the need of care in the selection of apprentices and sufficient training under qualified persons, and on an increased *esprit de corps* among women and loyalty to their brother pharmacists. She suggested the desirability of co-operation in business, in education, in protection, and for a combined pension scheme. The paper was followed by an interesting discussion on the desirability of women taking up a business life, the competition of unregistered persons, and germane topics.

### Cheltenham Chemists' Assistants' Association.

A very successful whist-drive and social gathering was held at the Oriental Café, Cheltenham, on April 28. Among the twenty-five guests present were Mr. John Fletcher and Mr. W. Barron. Before settling down to the whist-drive the company were favoured with songs by Mr. Davidson, Mr. J. Fletcher, and a duet by Miss Fletcher and Mr. Williamson. Then Mr. Bennett spoke of the objects of this new Association, which are—

(*a*) To promote good fellowship among assistants.
(*b*) To promote good feeling between principals and assistants.
(*c*) To help one another in every possible way.

After the first part of the whist-drive light refreshments were served, and during this interval songs were given by Mrs. Darroll, Messrs. J. Fletcher, H. C. Walker, and Williamson. The results of the drive were announced by Mr. Hunter (who acted most efficiently as referee) as follows :

Ladies' first prize, Mrs. J. A. Thomas.
Gentlemen's first prize, Mr. E. Lee Hall.
Ladies' booby prize, Miss Fletcher.
Gentlemen's booby prize (box of Beecham's pills—guaranteed to cure all ill-feeling), Mr. J. Fletcher.

On behalf of the visitors, Mr. J. Fletcher (seconded by Mr. Barron) proposed a hearty vote of thanks to the committee for the enjoyable evening. Mr. S. J. Robinson acknowledged the vote.

### Aberdeen Pharmaceutical Association.

At a meeting held in Dr. Gordon's College on Wednesday, April 29, prizes offered by the Association for competition to the students attending the pharmacy evening classes were awarded. The successful students were : Mr. Jas. A. Milne, apprentice with Mr. Alex. Gray, 302 George Street, who obtained first prizes in practical chemistry, theoretical chemistry, and botany, and a second in pharmacy, amounting in all to 3*l*. 10*s*. ; and Mr. John G. Murray, apprentice with Messrs. Davidson & Kay, who obtained a first in pharmacy, a second in botany, and a second in practical chemistry, amounting to 2*l*. The President, in presenting the prizes, said these were for the encouragement of the young men in their studies, and, congratulating the winners, hoped it might be a further inducement to the others to compete next year. Ex-Bailie Paterson gave a lantern-address on his visit to Port Sunlight. Afterwards Mr. W. F. Hay introduced a discussion on the proposed Chemists' Union, which was taken part in by most of the members. It was thought the Federation of Local Association is to take up the subject, and that it is the most likely body to successfully handle the subject.

### Chemists' Assistants' Association.

The annual general meeting was held at 73 Newman Street, W., on April 30, Mr. W. G. Northey (President) in the chair. The Council's report upon work done during the session was read by the Secretary, and a satisfactory balance-sheet was also submitted. The session had been in every way a success. The voting papers for the election of the Council for the next session were dealt with, and the names of the successful candidates reported by the scrutineers as follows : W. G. Northey, J. H. Northey, A. R. Arrowsmith, F. A. Loxley, J. Clark, E. Thompson, R. H. Brittain, A. Latreille, F. W. Crossley-Holland, L. Gwatkin, E. Leemany, T. Phillips, R. Warrick, and A. S. Peak. Mr. Northey then delivered his valedictory address, briefly reviewing the work of the thirty-first session. He commented upon the satisfactory nature of the work done, but regretted that some of the ideals which he had set up at the outset had not been realised, specially mentioning the absence of increase in new members, which he particularly regretted. He also thought the discussions following the papers read left much room for improvement. They had, however, reason to be proud of the social side of the programme. The total amount collected on behalf of the Benevolent Fund at the musical evenings was 4*l*., and a letter of appreciation was read from the Treasurer of the fund. Mr. J. Clark proposed a vote of thanks to Mr. Northey, which Mr. H. B. Everson seconded, and it was carried with acclamation.

### Nottingham Pharmaceutical Association.

The Annual General Meeting was held at the Mikado Café, Nottingham, on Wednesday, May 6, Mr. R. FitzHugh, J.P. (President), in the chair. There were also present : Messrs. C. F. Carr (Vice-President), A. Middleton (Hon. Treasurer), W. Gill and E. E. H. Turton (Hon. Secretaries), F. Ross Sergeant, S. Royce, S. H. Plattin, A. E. Beilby, G. J. R. Parkes, and others.

The Annual Report of the Association, which was presented by Mr. W. Gill, stated that the work of the Association had been carried on quietly but effectively. The Association concluded its fortieth year in December, and the account of the work done during the session showed that it is not qualifying for an old-age pension. Mr. Carr, in moving the adoption of the report, said that the great drawback of the Association was the tremendous apathy they had to face, but it was gratifying to find that the membership was increasing. The number of nominations for seats on the Council showed that there was a growing interest in the Association. Mr. Smith seconded. The President, in supporting, said that if they wished the Association to be carried on in an effectual manner they must have larger gatherings. Every member ought to make it a personal matter to further the interests of the Association, and to back up the Pharmaceutical Society in trying to carry the Pharmacy Bill through Parliament. The resolution was carried.

The Hon. Treasurer's Report showed a balance in hand of 10*l*. 4*s*. 1*d*., compared with 8*l*. 10*s*. 7*d*. a year ago. It also was adopted.

Election of Officers.—The ballot resulted as follows :—President, Mr. R. FitzHugh; Vice-President, Mr. D. Ellis; Hon. Treasurer, Mr. A. Middleton; Hon. Secretaries, Mr. W. Gill and Mr. E. E. H. Turton; Council, Messrs. A. E. Beilby, H. Brown, C. F. Carr, A. Eberlin, T. Freeman, W. Meakin, F. R. Sergeant, and T. Wilson; Auditors, Messrs. C. A. Bolton and S. H. Plattin. A vote of thanks to Mr. Bolton for his lengthy period of service on the Council was heartily passed. Mr. Bolton has at different periods during the last forty years filled all the important offices in the Association, and he expressed a desire to withdraw from the Council. Mr. W. S. Adamson and Mr. A. Middleton were elected delegates to the British Pharmaceutical Conference at Aberdeen.

### Cambridge Pharmaceutical Association.

A Meeting was held in the Lecture Theatre of the University Medical Schools on Wednesday, April 29, at 9 p.m., Mr. Bernhard S. Campkin (President) in the chair, the occasion being a lecture by Dr. G. H. F. Nuttall, F.R.S., Quick Professor of Biology, on

Pathogenic Protozoa and Their Carriers.

There was a good audience, including several medical men and gentlemen engaged in public work in the town. Professor Nuttall described the evil effects and world-wide distribution of malaria, now almost extinct in Great Britain, but it occurs in many parts of Europe, and especially in tropical and sub-tropical countries. In Italy there are almost two million cases a year, including over 16,000 deaths. In Greece half of the population suffers from malaria, and 6,000 deaths occur annually. In India malaria causes six times as many deaths as cholera, and about 40 per cent. of the deaths among whites. In Africa there are places in the Gambia and Congo where 80 to 100 per cent. of the children and 60 to 70 per cent. of the adult indigeneous population suffer from malaria. After discussing the nature of the malaria parasites and their relation to the attacks of fever, Pro-

fessor Nuttall, by means of lantern-slides, described the species of mosquitos which transmit malaria, and showed pictures of the localities in which they breed in tropical countries. The life cycle of the parasite in man and the mosquito was outlined, and familiar methods of prevention and cure were also referred to. The lecturer then discussed the malaria-like diseases of animals due to protozoal parasites, the *Piroplasmata*. In the United States alone the annual losses due to red water or Texas fever in cattle have been estimated at eight millions sterling.

The lecture was greatly appreciated and closely followed by those present. At the close, on the proposition of Mr. E. S. Peck, M.A., Professor Nuttall was heartily thanked.

## North Staffs Chemists' Association.

A Special Meeting was held at the Roebuck Hotel, Stoke-on-Trent, on Thursday, April 30, Mr. Edmund Jones (President) in the chair. There were also present Messrs. J. Averill (Stafford), Allison and Tipper (Stoke), Charles and Fernley (Burslem), Edge (Wolstanton), Bates (N.S. Infirmary), Corner and Burrell (Hanley), Challinor and Kemp (Fenton), and E. Mellor (Uttoxeter).

Pharmacy Legislation was the principal business of the meeting, and the President explained the proposals of the Government Bill and the Pharmaceutical Society's measure, pointing out the dangers ahead to chemists as regards the former, and emphatically stating that no case had yet been made out for departing from the principle of the 1868 Act—viz., qualification of the vendor. He hoped every effort would be made to defeat Clause 2 of the Government Bill when it reached the House of Commons. Mr. Jones also spoke on the question of the individual title, and as strongly advocated a fight for that to take the form of petitions to Parliament, it being unjust, in his opinion, to filch the chemist of the result of his personal efforts and expense in qualifying as the law demands.—Mr. Charles supported the President's views in regard to the facilities existing in all parts of the country (including Ireland—and he spoke from experience there) for obtaining agricultural and horticultural poisons through legal hands.—Mr. J. B. Blades considered the title question to be the most serious one, and commended the President's idea of petitions.—Mr. John Averill, J.P., also spoke, saying that there is no difficulty in any part of the country in obtaining agricultural preparations through chemists. He agreed that it would be most serious if the use of individual titles by corporate bodies were further legalised. He moved—

> That this meeting expresses a desire that petitions should be obtained from the chemists, doctors, dentists, and coroners in the various districts of the country and sent to the Pharmaceutical Society to be tabulated and presented by them to Parliament in support of the Pharmacy Bill, that the Poisons Bill now before Parliament is an injustice to the qualified chemists, and that the sale of poisons should be confined in the interests of the public to those who are qualified to deal in them as hitherto, and that the titles which have been sanctioned by Parliament should be confined to those who have passed the examination required by Act of Parliament.

The President said he had some time ago an interesting interview with Mr. John Ward, M.P. for Stoke-on-Trent, who promised his support to the chemists.

Mr. Allison seconded Mr. Averill's resolution, and it was supported by Mr. Mellor and Mr. Tipper. It was carried unanimously, and a committee, consisting of the President, Secretary, Treasurer, Mr. T. C. Cornwell, Mr. Charles, and Mr. Bates, was appointed to deal with it.

Congratulations were, on the motion of the President, seconded by Mr. Averill, extended to Mr. T. Bentley (Secretary) and Mr. A. G. Cope (Tunstall) on their marriages, every good wish being expressed for their happiness.

## Society of Chemist-Opticians.

The fourth annual meeting of this Society was held on May 6 at the Royal Horticultural Hall, Vincent Square, London, S.W. There was a good attendance, and several lady members were present, although they refrained from participating in the discussion. The chair was occupied by Mr. W. H. Crosland (Vice-President), and the first business was a resolution of sympathy with Mr. Julius Cæsar (the President), who is ill.

The Annual Report, which was taken as read (see *C. & D.*, May 2, p. 683), was unanimously adopted.

Financial Statement.—The Treasurer (Mr. Bunker, Twickenham) submitted the financial statement. This showed the income during the past year to have amounted to 83*l.* 12*s.* 6*d.* After meeting all claims, a surplus of 11*l.* 3*s.* 5*d.* was carried forward.

Council Election.—The Chairman intimated that the following gentlemen had been elected members of the Council: Messrs. F. S. Horsey, R. Tocher, J. R. Cornish, G. Vogt, H. W. Colley, F. Cherry, and W. Maskew.

Using the Society's Name.—In terms of notice previously given, Mr. Alf. Higgs, J.P. (Kingston-on-Thames), on behalf of Mr. D. S. Bennett (Cahirciveen, Ireland), proposed—

> That the following rule be, and is hereby, rescinded:
> "Membership of the Society of Chemist-Opticians shall not be used for any business purposes whatever."

In support of this proposition, Mr. Higgs argued that the retention of the rule was a deterrent to an increase in the membership of the Society. The rules, he said, were drawn up by a committee of twenty-nine members, the majority of whom were members of the Spectacle Makers' Company. The word "Chemist-Optician," he contended, could be used by anybody.

Mr. S. Escritt, Streatham, formally seconded the proposition in order to open discussion. Mr. Bunker objected to the proposition. The Hon. Secretary also opposed it. Mr. Higgs replied to the objections, and on a show of hands his proposal was defeated by ten votes to three.

The Annual Subscription.—Alterations of the rules relating to the amounts of the annual subscriptions payable by members, associates, or assistants were proposed by the Hon. Secretary. The effect of these was that each member should pay an annual subscription of 7*s.* 6*d.*, due on or before January 1 of each year, instead of 5*s.* as formerly, and that those whose subscription remained unpaid on March 31 should forfeit their right to all benefits from the Society. Mr. Higgs proposed to defer the matter for a year, and Mr. Spouse seconded; but on a show of hands the amendment was defeated by fifteen to three, and the Secretary's motion became the finding of the meeting.

Votes of thanks were accorded to the Chairman and the Hon. Secretary.

Syllabus of the Spectacle Makers' Company.

In the course of a paper read by the Hon. Secretary at a conference of the members held subsequent to the annual meeting, the Hon. Secretary gave an interesting history of the Spectacle Makers' Company, and followed it up by stating that in future the examinations held under the auspices of the Company would be altered. After a preliminary examination a man would have a chance of deciding whether he should qualify in sight-testing, in advanced optics, or in the making of scientific instruments. He also gave details of the new syllabus arranged.

Mr. Lovelock (Wales) regarded it as a mistake that it should be made essential that a candidate should be eighteen years of age before being allowed to enter for the preliminary examination.

The meeting then closed.

A Council-meeting was afterwards held. There were present Messrs. A. Higgs, J.P. (in the chair), C. J. G. Bunker, G. Curtis, R. Blanchford, and the Hon. Secretary.

Election of Officers.—The following were appointed officers for the current year: President, Mr. J. Gibson, F.C.S. (Hexham); Vice-Presidents, Mr. J. Cæsar (London) and Mr. A. Higgs (Kingston); Treasurer, C. J. G. Bunker (Twickenham); Hon. Secretary, J. Harcombe Cuff (New Southgate, N.); Auditors, Mr. F. S. Horsey and Mr. S. W. Woolley. The following were appointed the Library and Museum Committee: Messrs. Blanchford and Curtis, with the President and Secretary. The following were appointed the Law and Parliamentary Committee: Messrs. F. S. Horsey and S. W. Woolley.

Members Elected.—The following chemists were elected members: Mr. E. F. Craig (London); Mr. H. G. Williams (Sheffield); Mr. F. B. Kirby (Bristol); Mr. F. Tree (St. Leonards); and Mr. T. Riddle (Carlisle).

# Pharmaceutical Society of Great Britain.

## COUNCIL-MEETING.

WEDNESDAY'S meeting of the Council was long drawn out, the chief item being a report on work to be done in the Major Laboratory. This part of the building is to be considerably altered and refitted. Eventually the Council sanctioned the report, which involves the expenditure of about 700*l.* The work is to be commenced at once, and will be completed by September. Grants amounting to 124*l.* were made from the Benevolent Fund. The results of the Council prize competition were announced, the Pereira medal being taken by Miss G. H. Wren and the silver medal by Mr. G. F. Morrell. Miss Wren has also obtained three silver medals in the Major course examinations of the School of Pharmacy, while two other silver medals have also fallen to the share of Mr. Morrell. In connection with the Minor course at the school it should be noted that in future students will not be required to enter for the full ten months' course if they can produce evidence that they have acquired scientific knowledge in some of the subjects at local schools. Some alterations in the regulations for registration of pharmaceutical students were made on the recommendation of the two Boards of Examiners, who have been considering the question. These are chiefly in the direction of giving the Council a wider discretion as to the certificates that can be accepted as evidence of general knowledge. Towards the end of the agenda Mr. R. A. Robinson, ex-President, came into the room, and the Council at once adjourned for lunch. The chief business on resuming was the consideration of the annual report, which, as finally passed, is printed on page 717.

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THE monthly Council meeting was held on May 6 at 16 Bloomsbury Square, London, W.C. There were present the President (Mr. J. R. Young), the Vice-President (Mr. J. F. Harrington), the Treasurer (Mr. Walter Hills), and Messrs. C. B. Allen, A. S. Campkin, M. Carteighe, W. G. Cross, W. L. Currie, R. L. Gifford, A. Hagon, J. Harrison, G. T. W. Newsholme, C. J. Park, P. F. Rowsell, A. Southall, C. Symes, E. White, and A. C. Wootton.

Some delay at starting was caused by the fact that the councillors were in another room inspecting the plans of alterations to the laboratories, to which reference will be made later on in this report.

### Death of Mr. Hawkes.

The minutes of the previous meeting having been confirmed, the President referred to the death of Mr. Richard Hawkes, of Stratford-on-Avon, who had filled the position of divisional secretary and had also been Mayor of Stratford.

Dr. Attfield wrote thanking the Council for their expressions of sympathy with him on the death of his son.

The PRESIDENT mentioned that three councillors—Mr. Gibson, Mr. Hobbs, and Mr. Storrar—were away owing to ill-health, but they all were convalescent.

### Elections and Restorations.

A number of members and student-associates were elected and many restored to their previous positions in the Society. Two names were restored to the register of Chemists and Druggists, the customary declarations and fees being forthcoming.

### Finance.

The VICE-PRESIDENT moved the adoption of the report of the Finance Committee, which as regards the general fund was as follows :

| | £ | s. | d. |
|---|---|---|---|
| Penalties and costs ... ... ... | 93 | 14 | 6 |
| Subscriptions ... ... ... ... | 2,437 | 11 | 6 |
| "Journal" ... ... ... ... | 442 | 19 | 1 |
| Restoration fees ... ... ... | 3 | 3 | 0 |
| Ground rents ... ... ... ... | 36 | 18 | 3 |
| Sales of register ... ... ... ... | 142 | 10 | 0 |
| | 3,156 | 16 | 4 |

This amount, added to the balance from the previous month, made a sum of 4,673*l.* 8*s.* 9*d.*, from which the following amounts were recommended to be paid :

| | £ | s. | d. |
|---|---|---|---|
| On behalf of "Journal" ... ... | 689 | 12 | 10 |
| House expenses ... ... ... ... | 400 | 8 | 5 |
| Stationery, etc. ... ... ... ... | 126 | 8 | 5 |
| Current expenses ... ... ... | 400 | 0 | 0 |
| Salaries, etc. ... ... ... ... | 267 | 18 | 4 |
| School and examinations ... ... | 351 | 5 | 3 |
| Law charges ... ... ... ... | 35 | 11 | 0 |
| Library and Museum ... ... ... | 1 | 8 | 9 |
| | 2,273 | 13 | 0 |

On the Benevolent Fund the following balances appeared :

| | £ | s. | d. |
|---|---|---|---|
| Current account ... ... ... ... | 908 | 3 | 4 |
| Donation account ... ... ... | 14 | 0 | 6 |
| Orphan Fund ... ... ... ... | 139 | 9 | 7 |

The VICE-PRESIDENT having called attention to special donations to the Benevolent Fund (Pharmacy Club 10 guineas, Grimsby Chemists' Hockey Club 16*s.*, Chemists' Assistants' Association 15*s.* 6*d.*), the report of the Finance Committee was adopted.

### Benevolence.

The report of the Benevolent Fund Committee was taken in committee, after which

Mr. CROSS, in moving the adoption of the report, stated that grants amounting to 124*l.* were recommended to be made. He referred to a pathetic case of a widow who died while the Committee were considering her case, and stated that the Fund had nevertheless been able to render assistance to two daughters of the poor woman. Mr. Cross also asked for votes and interest on behalf of Richard Ambrose Reeves, who is a candidate for the London Orphan Asylum, Watford. The boy is eight years of age; his father, a chemist, died at Norwich in 1903.

The report was adopted.

### L., M., S., and H. Report.

The report of the Library, Museum, School, and House Committee was next taken. This report, which was a very lengthy document, referred to the following matters. Mr. S. Lloyd Stacey presented the Society with an old cabinet of materia medica specimens, for which a letter of thanks was ordered to be sent. The Advisory Board of the Royal Army Medical Service were also thanked for presenting a collection of 750 specimens of Indian, Chinese, and West African drugs which had been in use at Netley Hospital. The Curator was also authorised to purchase a collection of Chilian medicinal plants from Mr. P. M. Middleton, F.L.S. Messrs. Parkinson's account for 25*l.* 6*s.* was approved.

### School Prizes.

The following awards were made as a result of the Major class prize examinations :

*Practical Chemistry.*

Silver Medal.—Miss G. H. Wren.

Certificates of Honour.—Mr. G. F. Morrell and Mr. G. A. Bell.

*Chemistry and Physics.*

Silver Medals.—Miss G. H. Wren and Mr. G. F. Morrell (equal).

Certificates of Honour.—Mr. G. H. Pierson and Mr. G. A. Bell.

*Botany.*

Silver Medal.—Miss G. H. Wren.

Certificates of Honour.—Mr. G. F. Morrell and Mr. G. A. Bell.

*Materia Medica.*

Silver Medal.—Mr. G. F. Morrell.

Certificates of Honour.—Miss G. H. Wren and Mr. G. H. Pierson.

Both Professor A. W. Crossley and Professor H. G. Greenish remarked on the excellent work of Miss Wren and Mr. Morrell.

A further portion of the report dealt with the hours of closing the Society's premises.

A special report on the school, with recommendations on the report, was separately dealt with by the Treasurer.

A special meeting of the Committee was held on April 29, when an application was considered from the Civil Service Commission for permission to use the Materia Medica Laboratory on June 3 for the purpose of holding an oral examination for naval dispensers. It was recommended that permission be given. The Redwood Scholarship having been applied for by Miss Wren, the Committee recommended the Council to appoint her the Scholar.

Laboratory Alterations.

The Treasurer, in moving the adoption of the report, first referred to the prize awards, and then in detail to the alterations proposed to be made in the Major Laboratory. It appears that the sub-committee which was appointed last year to go into the question of school organisation met several times in the autumn and considered the matter under three headings: (1) administration, (2) educational policy, and (3) structural improvements. The first item, which dealt with the relations between the secretarial and the teaching staff, was disposed of at the March Council meeting. In regard to the educational policy, this referred to the question of admitting Minor students to the School for a shorter period than ten months. A course of ten months has hitherto been insisted on, but the Committee recommend that, having regard to the increased facilities for teaching that are now available in the country and with a view to encouraging apprentices to undergo systematic study during their pupilage, the Dean be empowered to receive students for shorter periods on being satisfied that they possess a certain knowledge of some subjects. Mr. Hills explained at some length the reasons for coming to this conclusion, adding that the Committee wished it to be clearly understood that they had no sympathy with cramming, but wished to encourage students to work at scientific subjects during apprenticeship. Mr. Hills next referred to the question of structural alterations in the Major Laboratory. He gave many particulars of the unsatisfactory state of the present laboratory, which was constructed between 1860 and 1862, and had had very little done to it since. It is necessary that the Society should put the laboratory in a position to compare favourably with similar establishments, so that the work of students and examination candidates can be carried out with the least possible loss of time. In considering the question of what alterations should be done, the Committee had to consider how much could be done in the present condition of the Society's finances. A surveyor was brought in to draw up the specifications in conjunction with Professor Crossley, and estimates were obtained from four firms, the tender of Messrs. Parkinson for 647*l.* being recommended for acceptance by the Council. The work, which includes raising the floor sixteen to seventeen inches, providing thirty-six benches with sinks, building a new balance-room, and installing the electric light, is to be completed by September 5, under a penalty of 2*l.* a day. Mr. Hills spoke very highly of the help given by Professor Crossley, who has promised to superintend the progress of the work.

Mr. Harrington, seconding the adoption of the report, said he was satisfied that the plans had been cut down to the utmost limits and that nothing less than the scheme proposed would be of any use.

Mr. Hagon, referring to the short course for the Minor, raised the question as to how the Dean would satisfy himself as to the students' knowledge. It would be inconvenient for country students to have to come to London on the chance of being admitted to the School. He suggested that a certificate from the local technical school should be accepted as evidence of training.

The Treasurer said the regulations did not make it essential that the student should come up to London.

Mr. Rowsell made a similar suggestion to that of Mr. Hagon.

Mr. Harrison was of opinion that the Society's laboratory must be the best of its kind and serve as a model for such institutions.

Mr. Gifford and Mr. Campkin also spoke, and

Mr. Carteighe made it clear that although the Dean might require to examine a student to find out the extent of his knowledge, it did not follow that he would necessarily do so.

Mr. Cross and Dr. Symes also made some remarks, the latter emphasising the fact that the Society spends 30*l.* to 40*l.* on each student who enters for the ten months' course, over and above the fees paid. He added that if a scheme for dividing the Minor had been working the certificate of having passed the first part could have been accepted as proof of sufficient knowledge to enable the student to enter for a shortened course of study.

Mr. Southall asked whether a mass of brickwork shown in the plans (on the table) could not be removed, but

The Treasurer said the suggestion was impracticable.

The report was then adopted and the necessary authority given to use the Society's seal on the contract.

Jacob Bell Scholarships.

Mr. Hagon called attention to the fact that entries for the Jacob Bell Scholarships must be made on or before June 1, and suggested that more publicity should be given to the Scholarships.

Naval Dispensers.

Mr. Wootton drew attention to the use in the report of the expression "naval dispensers." He thought it should be "dispensers in naval hospitals." He asked also whether this was the first time the Civil Service Commissioners had held the examination in the Society's laboratory, and whether the fact that these vacancies existed was made sufficiently public.

The Treasurer said the examination had been held in the building on several occasions, and he supposed the vacancies were advertised somewhere by the Commissioners. He also read the regulations regarding the examination.

Mr. Park said the officials were generally known as "naval dispensers," and

Mr. Allen said that as medical storekeepers the dispensers in one sense superintended dispensing on ships.

Organisation.

The report of the Committee on Organisation was next read. It referred to meetings held at Cardiff, Swansea, and Sunderland, and expressed indebtedness to Mr. Hagon for assistance in organising the two Welsh meetings. The Secretary was directed by the Committee (at the meeting held on April 1) to communicate with the divisional officers of the Society intimating the possibility of a strong attempt being made to give legal sanction to the use by companies of the title "chemist and druggist," and urging them to approach their members of Parliament.

The President, in moving the adoption of the report, said the Sunderland meeting was very successful, thanks to the preliminary arrangements that had been made by Mr. Harrison. The series of meetings had been productive of a considerable amount of good, if only in making the President acquainted with the active members of the trade. Several people who came to the meetings to curse remained to bless.

Mr. White said he had found the meetings of considerable educational advantage to himself.

Mr. Campkin regretted that the mistake had been made of limiting the meetings to officers of the Society.

The President said there had been two types of meet-

ings. Those in previous years had been open to the whole trade, but the last were in the nature of private meetings. He added that the fact that reporters were not present had been an advantage, as some of the speakers had been able to converse with the utmost candour—almost brutal in fact. (Laughter.)

The report was adopted.

### Educational.

The report of the Education and Examinations Committee dealt with the recommendations of both Boards of Examiners regarding the regulations for the admission of pharmaceutical students. It was a recommendation that the words "a modern foreign language" be retained. [It had been suggested that the words should be "one other language."] It was also suggested that the Junior school certificate of the University of London should be omitted from the list of examinations which the registrar is authorised to receive. It is a newly instituted examination, and it was felt that sufficient evidence of the standard of the work required was not forthcoming. Some improvement was also made in the wording referring to the Matriculation examinations of Manchester, Birmingham, Leeds, Liverpool, and Sheffield. A suggestion from Scotland that the regulation that the subjects should be passed at not more than two examinations of the same examining authority should be altered so as not to apply to the examinations accepted for the medical Preliminary was negatived. A clause in the regulations gives the Council power to consider such cases on their merits.

The President having stated that the last-named clause gives the Council power to accept Welsh as a "modern foreign language,"

Mr. Carteighe said the new wording had been used to make the clause quite plain to schoolmasters and others. The clause does not disqualify any language, because power is reserved to the Council to consider any case on its merits. The saving clause would also be useful in those cases where Latin is not taken for the matriculation. All the Council really requires to do is to see that the candidate has a good general education, but for this exact regulations cannot be laid down to meet all cases.

Mr. Wootton said that if Mr. Carteighe was to adjudicate in the doubtful cases he (Mr. Wootton) would be quite satisfied, but when the duty fell to someone with less rigorous views on elasticity the result might be different. He could not see that Welsh is covered by the term "modern foreign language."

Mr. Carteighe said a committee would probably be appointed to deal with these cases. In about a year precedents would be established that would make the working of the regulation easy.

Mr. Currie and Mr. Campkin having spoken,

The President wound up the discussion with the remark that after all the Welsh language has but a sentimental value.

The report and recommendations were adopted.

### Poison-schedule.

The report of the Parliamentary and General Purposes Committee was next taken. The first item was about the suggestions which were made by the Edinburgh Chemists' Trade Association for revising the poison-schedule. These are to be taken into account when next the schedule is being revised.

### Council Prizes.

The report of the examiners for the Council prizes was part of this report. There were seven candidates, and the result was that Miss G. H. Wren was awarded the Pereira medal and Mr. G. F. Morrell the Council's silver medal.

The Council agreed with these recommendations.

### A Visit from Mr. Robinson.

At this stage Mr. R. A. Robinson, the ex-President, came into the room, and the President said a few words of welcome and invited Mr. Robinson to lunch with the Council. Mr. Robinson replied, and the Council adjourned till two o'clock.

### Other Business.

On the re-assembling of the Council the Secretary called attention to the report of the examiners on the April Examinations. There were 24 Major candidates in London and 13 passed, the one Major candidate in Edinburgh being unsuccessful. Of the 195 Minor candidates in London 67 were successful, and of 80 Scotch examinees 32 passed. Certificates by approved examining bodies were received from 127 persons desiring to be registered as apprentices or students.

The pharmaceutical chemists who were successful were granted diplomas stamped with the seal of the Society.

The Colonial Office transmitted a copy of an Ordinance to regulate the sale of poisons in Grenada.

Communications regarding the Pharmacy Bill were received from the Wolverhampton, Bournemouth, and West Ham Chemists' Associations.

The General Medical Council advised the Society that Mr. Merson had resigned his position on the Pharmacopœia Committee of Reference, and asked for nominations for a successor and an additional expert resident in or near London for service on the Committee. Mr. G. Lunan and Mr. C. A. Hill, B.Sc., were recommended.

### Annual Report.

The Council then went into committee to consider the annual report, which was finally approved of in the following form:

In submitting the sixty-seventh annual report and financial statement, the Council has much pleasure in recording that during the past year the membership of the Society has been well maintained, and, as revealed by the registrar's report presented to the Council in February, the total exceeds that of any previous year. It is also satisfactory to be able to record that the financial position of the Society has improved since the last statement was issued, and that the expenditure has been considerably diminished.

Examinations.—The number of candidates examined during the year 1907 for qualification as chemists and druggists was 1,116, and of this number 605 failed to satisfy the examiners. The percentage of successes was 45.78, which compares favourably with the record for the past three years. The greater number of the rejections are still in the practical portion of the examination; a test that rarely fails to reveal whether a candidate has or has not received the systematic training recommended in the regulations of the Boards of Examiners.

For the Major examination there were 72 candidates, and 36, or 50 per cent. were successful.

The visitors on behalf of the Privy Council continue to express satisfaction with the manner in which the Boards perform their duties.

The following table records the number of "students" registered by the Boards during the past quinquennial period:

| | | | | | |
|---|---|---|---|---|---|
| 1903 | 194 | 1905 | 239 | 1907 | 263 |
| 1904 | 221 | 1906 | 291 | | |

Evening Meetings.—The following papers have been presented at the Society's evening meetings:

*In London*: "Further Comments on the 'Codex,'" by C. A. Hill, B.Sc., F.I.C.; "The British Pharmaceutical Codex," by R. H. Parker, F.C.S.; "The Chemical Standards of Purity in Relation to the Pharmacopœia," by David Lloyd Howard, F.C.S.; "The Adulteration of Drugs, and the Methods of Preventing It," by E. M. Holmes, F.L.S. (Curator of the Society's Museums); "Report on Microscopic Examination of so-called False Belladonna Leaves," by M. H. Stiles, F.R.M.S.; "X Rays and the Passage of Electricity through Gases at Low Pressure," by Dr. H. R. Le Sueur, F.I.C. (member of the Board of Examiners for England and Wales); "The Constituents of Simaruba Root," by Charles Gilling, Ph.C. (Redwood Scholar); "The Colouration of Adrenine Solutions," by Alexander Gunn and E. F. Harrison, B.Sc., F.I.C.; "Hospital Pharmacy," by J. A. Jennings, Ph.C.

*In Edinburgh*: "The Hormones contained in Animal Extracts," by Professor Schafer, F.R.S.; "Modern Problems in Dispensing," by James Grier, Ph.C., M.Sc.; "Dr. Chamberlen's Pills," by A. K. Stewart; "Note on Ointment Bases," by Robert Tocher, Ph.C.; "The Constitution of Complex Inorganic Compounds," by Dr. W. J. Bowis; "Note on Bismuth Subnitrate," by J. Rutherford Hill, Ph.C.; "Note on Syrup of Tolu," by A. McCutcheon; "Note on Aromatic Syrups," by D. B. Dott, Ph.C., F.I.C., F.R.S.E.; "Bismuth Subnitrate," by E. J. Brown, Ph.C.; "Mexican Scammony," by William Duncan, Ph.C., F.C.S.; "Note on Liquor Bismuthi," by William Duncan, Ph.C., F.C.S.; "Report on some Powdered Drugs," by John Lothian, Ph.C.; "Notes on Acetone Collodion and Cone. Infusion of Buchu," by George Coull, D.Sc.; "Synthetic Remedies and the next Pharmacopœia," by T. Stephenson, Ph.C.

The Council is grateful to those who have submitted for the benefit of the Society the result of their scientific labours, and desires to express its obligations to the various contributors.

The School.—The Dean of the school has reported, through the school visitor, that the progress made in all the departments under the control of the school staff has been satisfactory. The excellence of the training given in the school is continually manifested in the success achieved by students both in the examination room and in post-graduate life. The future conduct of the school has during the past year received special consideration by a sub-committee, comprising the school visitor, the treasurer, and Mr. Edmund White, in consultation with the school staff. Certain administrative modifi-

cations, which it is expected will increase the effectiveness of the school management, have been suggested by that subcommittee, and it has been resolved to modernise the chemical laboratories at the earliest possible date.

Library and Museum.—During the year 2,516 books were issued to borrowers, and nearly 200 new volumes of the most recent chemical and pharmacological literature have been added. To the museums no fewer than 4,859 visits have been paid by students and others interested in materia medica apart from special visits from colonial and foreign pharmacists or scientific workers. Information on matters relating to the natural history of drugs and the recognition of botanical specimens has also been freely imparted by the curator to investigators and inquirers.

Legal.—Five hundred and thirty-three cases of infringement were reported and dealt with during the year 1907, and in 200 instances prosecutions were necessary. In some of the cases it was not found possible to serve summonses on the defendants. Details of the cases proceeded against are published in the "Pharmaceutical Journal" for February 8, 1908.

Parliamentary.—The Lord President of the Privy Council introduced into the House of Lords on February 17 the Poisons and Pharmacy Bill, which is practically identical with the Bill presented to the same House in 1906. It is of special interest inasmuch as it omits the regulation of companies who trade as chemists and druggists, and excludes the regulation of the sale of agricultural poisons in Ireland. On March 5 the Bill was read a second time in the House of Lords, the Lord President stating that it was the intention of the Government to refer the measure to a joint committee of both Houses in order that an independent tribunal might, after hearing evidence, decide upon the terms in which the clause dealing with companies should be inserted, and, further, whether Ireland should or should not be included in the scope of the Bill. The Joint Committee has now been formed, and is composed of the following lords and gentlemen: Lord Haversham (chairman), Lord Saltoun, Lord Monk Bretton, Lord Lawrence, Lord Stanley of Alderley, Sir J. Batty Tuke, Mr. T. H. W. Idris, Mr. L. Atherley-Jones, Mr. Godfrey Baring, and Mr. Vincent Kennedy. The committee has heard evidence from the Board of Agriculture, from the Agricultural Department of the Board in Ireland, from the Irish Pharmaceutical Society, and from Mr. Jesse Boot, but has not yet heard any evidence from the Pharmaceutical Society of Great Britain. Such evidence is, however, to be tendered. It would be inappropriate at this stage to comment upon the work of the Committee, but the members of the Society should know that their views are being admirably presented by Mr. Idris. The Council, in the hope that the proposals of the Society, in regard to pharmacy legislation, might be brought officially to the notice of the joint committee, introduced into Parliament on March 18 a Pharmacy Bill, which Mr. Winfrey presented, and which is supported by Mr. Idris, Mr. Henniker Heaton, Mr. Gulland, Mr. Remnant, Mr. Dobson, Mr. Cowan, Mr. Crooks, Mr. V. H. Rutherford, and Mr. Ellis Griffith. The text of the Bill was published in the "Pharmaceutical Journal" of March 7, 1908, and there is no necessity to refer to it in detail. The chief features of the Bill are that it provides a reasonable solution to the company difficulty and removes many of the anomalies which have been utilised as arguments in favour of permitting companies to continue the use of personal titles. The provision contained in the Society Bill of 1907 requiring companies to have a qualified chemist as a director has not been inserted in the present Bill. It is hoped that Mr. Winfrey may be called by the joint committee to explain the provisions of the Bill he has introduced. The Council has taken the necessary steps to have the Society's case presented as effectively as possible before the committee, and it is difficult to conceive that any body of impartial persons can resist the logic and the justice of the claim that is being made on behalf of registered chemists and druggists.

Organisation.—During the past year the committee on organisation has arranged a definite series of meetings of officers of the Society and delegates from local Pharmaceutical Associations at various centres in England and Wales. As a direct consequence a very valuable practical system of co-operation has been established between the Society's executive, the divisional officers, and the local Associations. The President or Vice-President, with the Secretary of the Society, have conferred with divisional representatives at Manchester, Leeds, Preston, Nottingham, Birmingham, Bristol, Chester, Sunderland, Cardiff, and Swansea. In each instance the chairman has been supported by one or more members of Council.

New Bye-laws designed to give effect to the recommendations of the Examinations and Education Committee were formulated by the Council in July 1907, and adopted at a general meeting of members on August 7. The official confirmation of the Privy Council was intimated on November 20. The effect of the alterations made is to modify the restrictions which formerly occasioned delay in connection with the registration of pharmaceutical students, with entry for the qualifying examinations, and with re-entries. New regulations in accord with the bye-laws are being framed with the assistance of the Boards of Examiners, and will be presented to the Council almost immediately.

The Benevolent Fund has during the past year given relief to about 100 applicants for casual assistance, and there are thirty-eight annuitants now in receipt of a permanent income of 50*l.* a year from the Fund. The Decennial Festival held in May last resulted in the addition of 1,458*l.* to the capital, and enabled the Council to elect six additional annuitants in December. The annual subscriptions are on the whole satisfactory, and reflect the measure of confidence felt in the administration of Fund.

North British Branch.—The report of the executive to the Council affords satisfactory evidence that the various departments of the work of the Society in North Britain are efficiently conducted.

Obituary.—The following deaths have to be recorded: Sir Dietrich Brandis, Sir A. B. Garrod, and Dr. Clifton Sorby (honorary members), Alexander Bottle (a past vice-president), H. B. Baildon, Joseph Ince, N. M. Grose (former members of Council), J. W. Bowen, and G. S. Taylor (former members of the Board of Examiners for England and Wales), and the following officers: G. Wright (Burton-on-Trent), E. Smith (Horsham), J. T. Birkbeck (Lincoln), Wm. Oldham (Burslem), J. Farr (Yaxley), G. Chalmers (Huntly), R. Hawkes (Stratford-on-Avon).

## Chemists' Exhibition.

THE annual Exhibition of chemists' goods promoted by our contemporary "The British and Colonial Druggist" is being held at the Royal Horticultural Hall, Vincent Square, Westminster, S.W., this week. We note a few of the striking features to be seen at the displays given by various exhibitors:

Aerators, Ltd., have a sparkling display of aërators. There are the perfected sparklet syphons and sparklogenes, but the novelty for the year is the Prana sparklovine. The last-named is especially devised for the direct aëration of milk, beef-tea, barley-water, and wines, which cannot be conveniently syphoned off owing to the froth that forms. The contents of the sparklovine are poured out, and not forced out as in the case of aërated waters. The range of the Prana sparklet fruit-crystals has been enlarged by the addition of four new flavours—William pear, menthe, orange, and iron-and-quinine brew. Two new showcards are to be issued shortly, about which inquiries should be made.

The Anglo-American Optical Co. have a good show of optical goods. The special rigid bar-clip made by this company is the "Solite," which exhibits evidence of careful and expert workmanship. In rimless eye-glasses no fewer than thirty-seven patterns of placquets are shown. Test-cases and flash-signs are also features of this stand. The latest model ophthalmometer was explained to our representative; it is made at the company's new works at Hampstead, N.W. A booklet has been issued to give the points about this instrument. Druiff's "Refraction" is shortly to be issued in the fourth edition.

Armour & Co., Ltd., have erected a new stand specially for the occasion. It is of the pavilion type, and serves admirably for the display of the elegant pharmaceuticals, which are arranged under the supervision of Mr. E. W. Jones. The novelties include Glyco-Lecithin, a glycerin emulsion of lecithin with a pleasant flavour, each fluid drachm representing 1 grain of lecithin. Rennet tablets (sixteen in a tube for sixpence) are also new, and the samples of junket made from the tablets which are shown indicate that a compression has been secured which contains the proper coagulative qualities. In addition to the labels which the Armour Co. supply for the preparations contained in Armour's "Formulary," there are now to be obtained free of charge a series of elegant showcards to advertise these preparations.

Baiss Brothers & Stevenson, Ltd., confine their exhibit to cod-liver oil emulsion, extract of malt, effervescing Carlsbad salts, and petroleum emulsion, and make a very effective display of these well-known goods. Eloquent testimony to the popularity of the emulsion of cod-liver oil is borne by the increasing demand for the larger

sizes, which means that customers recognise the worth of the preparation as a nutrient tonic. Extract of malt is put up in the new airtight wide-mouth glass jars which users have found so convenient. The effervescing Carlsbad salts is put up in bottles which are not panelled, and are excellent value for the price charged.

Arthur Berliner exhibits a great variety of surgical dressings and chemists' sundries. Among the newly introduced goods may be noted the boxes of sanitary cotton-wool toilet-paper for those who suffer from piles, and rolls of pine cotton-wool, which is one of the most popular chest-dressings in cases of coughs and colds. The Ryto toilet glove for dry use has one side of chamois leather and the other of towelling. Mothite is a recent addition to Mr. Berliner's specialities; it is, as indicated by its name, a crystalline powder intended for warding off moths from stored furs and clothes. There is also at this stand a good line of tooth-pastes packed in pots with burnt-in labels.

Robert Blackie has a corner show overflowing with packed proprietaries. The "Spun" ointment boom shows no signs of decreasing; without doubt the "Spun" ointments have come to stay. Chemists have plenty of selection in the assortment of cartons, wrappers, labels, etc., for emulsions, cold-creams, essences, extracts of malt and oil, Fullers' earths, lime-creams, salines, tooth-powders, and violet powders on view at Mr. Blackie's smart stall.

James Boulton & Co., Ltd., have a pretty exhibit of packed proprietaries, chief among which is a "new Art" series of "Restorine" hair-preparations. The "Restorine" series includes a shampoo-powder, hair-dye, egg-julep, massage-cream, and brilliantine. The company are Sole British agents for Bellairs' English violets perfumes, with 5*l.* orders for which chemists are supplied with a spray (filled with perfume), a supply of artificial moss, and artificial violets and trellis-work sufficient to make a very pretty window show.

British Automatic Aerators, Ltd., are modest but effective in their display of "Consol" syphon-fillers and "Consol" British soda-fountains. These simple and handy aërators are becoming increasingly popular with chemists.

Bruce, Green & Co., Ltd., who offer agencies for their "sight-savers," have an exhibit of spectacles and testing sets. Samples of the showcases which are supplied to agents may be seen, while the managing director is in attendance to explain the system. The company advise their agents not to fit glasses for astigmatism, but to refer such cases to medical men.

W. J. Bush & Co., Ltd., have a fine corner stall in an out-of-the-way part of the Hall, but by the irrepressible energy and enterprise of Mr. W. S. Gill it has been made one of the most frequented spots in the Exhibition. A fine display of perfumery and toilet articles is only one attraction, for there also chemists visiting the show may send or receive telegraphic or telephone messages free of charge. Mr. Gill has had fitted up for the use of visitors a cosy little room where they may rest, write letters, or talk business removed from all outside distractions. Moreover, all the news of the day is to be gathered at Messrs. Bush's stall, hour by hour. By arrangement with one of the Press agencies all market quotations, political news, and ordinary happenings are continually coming in and are published in sheets of "The Flying Express." This is "hustle" enough in all conscience, and ought to satisfy even the most Transatlantic admirer. But once at the stall there is much worth inspecting, and Mr. Gill and his staff see that no one misses the Bush novelties. These include "Cupidor," a new perfume in a marvellous stoppered bottle, with a Cupid in the *heart* of the stopper, and the label on the casket giving a lifelike suggestion of a framed picture. Then there are the "Floreina" series perfumes, eau de Cologne, eau de quinine, hair-tonic, and face-lotion. "Real Gold" perfume looks it, both in raiment and in style. Other new perfumes are "Narcissus" and "Daffodil," and there is a Jaborandi Hair-tonic (selling at 1*s.* and 1*s.* 9*d.* per bottle) which is attracting considerable notice. Lastly, one must never forget that the Potter & Moore Lavender-water is under the Bush *ægis* always.

Camwal, Ltd., have in their reception-room the usual Camwal concomitants. It is a bright little exhibit, with giant syphons, ginger ale, and genuineness as the main features. The advertising novelties provided by the company are always interesting to visitors, and chemists appreciate the idea of having their own branded syphons. "Quinine Tonic Champagne" is one of the latest Camwal beverages, and it is very refreshing.

Thomas Christy & Co. have a large number of attractive novelties at their exhibit. In the centre of the exhibit is a stand upon which are shown about eighty varieties of a new pump spray, which works with marvellous accuracy, and cannot get out of order if fairly treated. The Wetmore century atomiser is made in a series of twelve patterns, each kind being adaptable by a simple device for both oil and water. The Sento fumigating tapers are new, and as creditable as they are profitable to the retailer. Magnetic sulphur soles have the sulphur permanently fixed in the fibres, and should please Sir James Crichton Browne, who some years ago was so scornful about the use of sulphur in the socks for rheumatism. The new agency for E. Coudray, of Paris, is responsible for a large variety of perfumes: special series are Laetéine Velamine and Houx Royal. Rosée Soorana is a skin-lotion of special excellence, of which further developments are to be expected. Many fine new designs are shown in packed toilet goods, noticeably violet oatmeal, tooth-powders, and shampoo-powders. The Christia accouchement-sheets and Typhoo tea should also be mentioned as possessing profitable possibilities to the retailer.

Arthur H. Cox & Co., Ltd., have a splendid show of pills and tablets. The stand is entered through an archway of vases of coloured pills which has figured at a previous Exhibition. The special attention of visitors is being called to formathol gargle-tablets, which contain combined formaldehyde and menthol, and are pleasant to the taste. There is also on show a good series of packed pills in glass tubes with artistic labels. The series comprises anti-fat, complexion, backache and kidney, pink, anæmia, and similar good selling lines.

Cresswell Bros. & Schmitz Branch, of the International Sponge Importers, Ltd., are faithful to the sponge-pavilion mode of exhibit. It is undoubtedly the best way by which an idea of the magnitude and variety of the trade can be given. There are approximately 80,000 sponges of all sizes, shapes, and descriptions used in the building, and the value is between 4,000*l.* and 5,000*l.* The new lines include Caibarien shapes for toilet and nursery, and Biscayne unbleached for motor-car and domestic purposes. Chamois leathers are much in evidence, and a new substitute for chamois leather called "Chamoisin," which retails at from 6*d.* to 2*s.*, according to the sizes of the squares into which it is cut. Mr. Cresswell, with his representatives, Messrs. Shackleford, Sharvill, and Buxton, are daily in attendance.

The Crown Perfumery Co. have a fine exhibit of high-class perfumes, soaps, and other toilet-preparations. Most of these are familiar to readers of The Chemist and Druggist, but perhaps the recently introduced Coronita and Favorys series are not so well known. The Coronal series of tooth-preparations is also being shown. These products comprise paste, cream, and powder, and they are got-up in a style which is unequalled. This stall is beautifully decorated with real ferns and plants, which gives it a bright and airy appearance.

Daisy, Ltd., do not belie their reputation for brightness and originality. The little shop with two windows attracts the most careless passer-by. In one window "Daisy" headache and neuralgia cure, "known, admitted, and approved by the public and the trade," is displayed with mechanical and other attractions; while "Daisy Foam," with other magnetic accessories, occupies the other window. Mr. Lawson and Mr. Haig are present to explain the terms of a special bonus on orders booked during the Exhibition.

Danysz Virus, Ltd., are showing their vermin-extinguisher under the direction of an intelligent young lady, who presides over a microscope through which the Danysz microbes may be seen cavorting.

J. Defries & Sons, Ltd., have a filter exhibit, in which

the Pasteur (Chamberland) filters figure in various forms. Visitors should notice the laboratory filter for water examination; it is Dr. Klein's pattern, and of novel construction.

The Erasmic Co., Ltd., have a pretty display of soap and perfume centring round the well-known Erasmic soap. The latest development is the Erasmic shaving stick, which is put up in handsome nickel cases, and should be a good seller. Mention should also be made of a new series of perfumes—Fantasma, Extasia, and Naisma—which are put forth as equal to the best French productions. Packed perfumes, a dozen bottles in an outer, is another line which we favour on account of the well-produced labels and convenience of the system.

The Express Developing Co. are showing some excellent photographic enlargements. This company only supply chemists, and undertake all kinds of photographic work at competitive prices.

Findlater & Co. exhibit a large variety of mineral waters, the special kinds being Carabana, Chatel-Guyon, Contrexéville, Ems, Fachingen, Giesshubler, Marienbad, Martigny, Perrier, Pougues, Schwalbach, Taunus, Vittel, Wildungen, Wolff-Metternich. Carabana is a Spanish water of which mention has already been made in this journal, while Wolff-Metternich—known for short as Mett—is a German table water which retains its gas for a long time even after opening.

Frame-Food Co., Ltd., are especially insistent on the virtues of Racia. They have a pretty exhibit, and besides Racia there are Frame-Food extract, jelly, cocoa, and biscuits on view. The booklet of Frame-Food babies is a well-produced business-bringer.

W. Gardner & Sons (Gloucester), Ltd., are showing in a modest corner a selection of their "Rapid" sifters and mixers. Mr. Gardner has cheerful tales to tell of ever-increasing business and approbation from chemists all over the country.

Hearon, Squire & Francis, Ltd., exhibit a large number of galenicals and toilet-preparations. At the corner of the space there is a showcase containing some beautiful specimens of fine chemicals, the samples of codeia, caffeine, and bismuth being particularly brilliant. Iron emulsion, a milky fluid containing an iron salt in suspension, is the sister of the popular magnesia emulsion which was so successful as to be officially imitated within a few months of its introduction. Dermogen soap—ordinary and special—is an especially fine article which medical men can recommend in cases of irritable skin, or where a bland pure soap is indicated. Otango, the mosquito-bite preventive, is again in demand, and is selling in large quantity because of its proved efficacy. For Otango, Carsel (tonic Carlsbad water), and the company's perfumes attractive showcards have been issued. Pills, tablets, and capsules are being shown in great variety, the perfection of shape of the capsules being specially noticeable.

The Hull Oil Manufacturing Co., Ltd., are exhibiting for the first time. They claim to be the largest manufacturers of castor oils in the world, and the view of the works in the artistic souvenir they are distributing certainly gives colour to their contention. Their strongest point is that their products are essentially British. The "Homco" oils are expressed from seeds grown in British India, carried in British ships, and made in England by British labour. Their oils are guaranteed absolutely pure, quite equal to any foreign oils, and much cheaper. Homco Soluble Paraffin is another of the company's products for which there is a future. A paraffin has been produced which is readily soluble in water, and does not merely form an emulsion.

Idris & Co., Ltd., have a good show of aërated waters in syphons and bottles. The novelty is "Koolime," which is a very pleasant-tasting aërated drink in handy-sized bottles. "Koolime" should be a popular beverage if the coming summer is seasonable. Quinine tonic water is a drink that finds especial favour in India and malarial districts, and we mention it to remind our subscribers in sunny climes that it is being exported in increasing quantity. Home chemists should prepare for the season by requesting to be supplied with new showcards and circulars. Vichy water in syphons, Distilidris, Tonalka, and Idris lime-juice cordial are all worth pushing.

Ingram & Royle, Ltd., are exhibiting a number of mineral waters which they have done so much to popularise. Here one may see old friends like Vichy, Contrexéville, Giesshubler, and Hunyadi, cheek by jowl with lesser-known waters, such as Wychia, Soultzmatt, and Noeera Umbra. The object of the exhibit is to show that the company are experts in mineral waters, and can supply any brand.

Jewsbury & Brown are showing aërated waters and the Oriental tooth-paste. The former are exhibited in considerable variety, and Mr. Kirkby, the firm's chemist, is present to answer any questions of a technical character which chemists may care to put. Our representative had an interesting talk as to the character of the water which is used at Ardwick Green, and the steps that are taken to ensure that it is absolutely sterile. Aërated distilled water is increasing in popularity, and a favourite in hot weather is the gallon stone jar of ginger beer. The latter has a simple valve attachment which possesses advantages over a tap. The firm's new showcards may be seen here.

Jeyes' Sanitary Compounds Co., Ltd., devote their space principally to cyllin, the Rideal-Walker coefficient of which is now 16 for *B. typhosus*. Those who are interested in the modern controversy over the coefficients of disinfectants can obtain a supply of literature on the subject at this stall. Cyllin is obtainable in every form in which a bactericide is useful. The Jeyes' antiseptic telephone caps, which were recently referred to in this journal, are here shown.

Junon, Ltd., is under the supervision of a bright little lady, who knows all about the merits of the Junon specialities. These include hair-preparations, a dentifrice, Essence Junon, and Junon Old English Lavender-water. The last-named is the most effective line. It is put up in green globular bottles of eight different sizes. The prices of the Junon lavender-water range from 6*d.* to 15*s.*, and the aroma is good.

The Keene Co. are attracting a large share of attention with three mechanical figures, two of which are advertising devices to promote the sale of Keene's Corn Cure and the other is for "Dandricide"—a hair-preparation. The figures are beautifully finished and work smoothly, being electrically driven.

Lamont, Corliss & Co. have a stall devoted to Mennen's toilet-powder, Javol hair-tonic, and the Marvel Spray. Electric-flash signs are being supplied to advertise these goods. As novelties are being shown Kosmodont tooth-cream and the Javol hair-drier. The latter is made of metal and is shaped like a hair-brush. In place of bristles there are conical metal projections, which convey to the hair the heat of the hot water with which the instrument is filled.

J. E. Lockyer is in attendance to explain the extent of his business in packed photographics. Nothing in the photographic line comes amiss to Mr. Lockyer, who has ready the organisation for promptly preparing and packing anything his customers require. There are always ready a great number of developers and such like solutions, and a feature of this business is packed chemicals ready for sale. We noticed that the new Viscose capping is employed for bottles containing acids and ammonia, and its use is being extended to developers. The photo-tints are now supplied in a greater number of shades, and are very popular among amateurs and professionals.

The London Drug Depôt have a telling display of Davidson's Bile Beans, the feature being that the retailer has a profit of 140 per cent. During this week and next buyers of one-gross quantities of Davidson's Bile Beans are given two dozen boxes free; orders for six dozen have one dozen gratis; and with three dozen an extra quarter-dozen is given. There is a profusion of dummies, showcards, etc., for advertising purposes. At this stand "Embrolio," a new embrocation, is also on view. A 3*l.* order for "Embrolio" entitles the buyer to the loan of a mechanical-working figure for window use.

Miol Manufacturing Co. have a corner exhibit of their medicated food. The ruddy cartons and the artistic showcards attract more than a passing glance, and the P.A.T.A. protected prices meet the approval of the retailer.

Francis Newbery & Sons, Ltd., have an interesting variety of druggists' sundries on show. The first things that attract are the showstands for finger-stalls and toothbrushes. The former is a life-size card model of an extended hand, upon the fingers of which finger-stalls are fitted. We also examined some new kinds of hair-brushes. These are made of a special variety of vegetable fibre of a pearly appearance, resembling the finest kinds of bristle. A drawback of the fibre is that it must not be wetted, or its stiffness is spoiled; this is guarded against by the directions for cleaning stamped on the handle of the brush—flour and benzine being the agents employed. Cremogen, which is such a capital base for cold-cream and skin-foods, is shown, and developments of this class of labour-saving galenicals are promised.

Odol Chemical-works have little to learn in the way of effective display. Odol, "the world's dentifrice," "Irex" tooth-powder, and "Formawn" have each separate exhibits on one neat corner stand. The feature of the Odol exhibit is the Odol flasks, with different labels for different countries, thus showing world-wide popularity of this elegant dentifrice. There are to be seen Odol packed for Mexico, France, Italy, Hungary, Russia, Spain, Brazil, Uruguay, Poland, Denmark, Livonia, and many other places, all with labels and literature in the language of the country. It is noticeable that the Odol flasks for Russia, Spain, and Livonia are slightly larger in size than the ordinary flask, to conform with import regulations. In the Odol reception-room visitors may look through an interesting portrait-album, containing photographs of the eminent persons in music, drama, politics, society, and the Church who have expressed approval of Odol. Selecting at random we note, among hundreds of Odol adherents, the Duke of Argyll, Mrs. Kendal, Signor Mascagni, and Cardinal Rampollo. Altogether an attractive exhibit, with a distinct personality of its own.

The Offord Patent Hygienic Truss Co., Ltd., are showing the Offord truss, which embodies several new ideas in supporting weakened inguinal muscles. There is neither pelvic spring nor understrap, the pressure being exerted by the action of ingenious levers and springs in the pad. The pad is made of smooth polished ivorine, and the band which goes round the body is of cotton. The Offord truss is one of the novelties of the Exhibition.

Oowana Soap and Candle Co., Ltd., have an imposing show of "Oowana" toilet and shaving soaps and of "Snowdol" disinfectants, etc. The goods are displayed in handsome showcases (bearing the *imprimatur* of Philip Josephs & Sons, Ltd.), and it is noteworthy that the "Snowdol" specialities are now put up in a new and very attractive guise. "Sea-water Snowdol" is one of the latest specialities. There are also Snowdol Liquid-soap, Vidol Sanitary-soap, and Snowdol Vine-spray. Moreover, a legend has been erected over the stand intimating to all and sundry that "Oowana soaps and Snowdol disinfectants will be exclusively used in the lavatories at the Franco-British Exhibition."

C. Oppel & Co. are exhibiting their world-known aperient water—Friedrichshall—with a frame picture of Mrs. Gamp (looking suspiciously like the late Dan Leno) using it as a pick-me-up. At this stall there is also exhibited Mars Oil (a leather preservative) and Salvarol (a preparation for preventing and removing rust from gun-barrels, locks, etc.).

W. T. Owbridge, Ltd., are showing Owbridge's Lung Tonic and its satellites. A feature of Owbridge's stall is the display of advertising matter. The supply of ideas in this line seems to be inexhaustible, the range being from puzzle match-boxes to lady suffragists. Advance copies are shown of a new showcard shortly to be issued, representing a charming young lady on a swing; it is worth inquiring about.

Parke, Davis & Co. have as enticing a spread-out of P.D. products as usual. P.A.T.A. specialities are given particular prominence, and there is a special offer in Euthymol preparations. These, by the way, are effectively grouped in the centre of the attractive stand, and form a striking centrepiece, because of the bright and tasteful style in which they are packed. "We are also making a splash in pepsin preparations," explained Mr. Sidney Jamieson to our representative. "There they are, as you see, in scale, powder, glycerole (double-strength B.P.), elixir, and tablet. The absence of peptones is our claim for these preparations." The new opsonic vaccines (Sir A. E. Wright's) will interest many chemists. They yield a good profit and they stamp the chemist who stocks them with high medical and professional favour. A new all-glass hypodermic syringe has several notable features. The main difficulty with these syringes is usually found in seeing exactly the amount injected. The new syringe has a glass barrel, and the piston is coloured, while the markings on the barrel are in red. The piston is thus plainly seen moving up and down inside the barrel, and the correct amount injected is seen without trouble. The nickel case forms a steriliser for the syringe, besides acting as a container. The syringe is made in four sizes. The new style of putting up the granular effervescent preparations with aluminium caps, which also form a measure, has "taken on." A glance at the fluid extracts for making standardised tinctures always brings some reward to the visitor, and chemists should ask for a sample box of empty capsules. These are beautifully finished, and are made in all sizes from ½ grain up to horse-ball dimensions.

The Charles H. Phillips Chemical Co. make milk of magnesia the chief attraction at their stand, but many will be interested in Phillips' phospho-muriate of quinine, which is a coloured tonic syrup of acid reaction, yielding a good profit to the retailer. Phillips' digestible cocoa is also shown.

Price's Patent Candle Co., Ltd., have a special exhibit of toilet-soaps, many of which are reserved for chemists' sale. In the centre of the stand is a bust of the Queen in buttermilk soap. Newly introduced brands of soap are the pine oatmeal skin soap and the baby curd soap. Lanoline and Melbalm soaps should also be mentioned as old favourites.

R. J. Reuter occupies a position near the reception room, and makes a good display of pump sprays and other druggists' sundries. The spray is on a new principle, and, although a pump spray, is fitted with bellows. The spray of perfume is clean-cut, so to speak, which ensures an absence of dropping from the nozzle. Here can be seen a great variety of covered pots which are special lines with Mr. Reuter. We saw also a neat little eye-dropper called the "Aseptus," and a small square alarm clock which is useful for reminding medical men of appointments.

Rivers Hill & Co., Ltd., possess one of the most interesting shows in the exhibition. They are proprietors of a Dorset lavender farm, and the lavender oil and lavender water are distilled on the spot by a special process devised by Mr. Hill. Besides the lavender, this company manufacture "Dorset" lavender cologne, violet extracts, elder-flower water, rose water, Hill's "English Roses," and "English Lilies."

The Rubwel Co. have an attractive corner display of Rubwel, the new skin ointment. At the back of the exhibit is a large, well-designed crayon drawing of an athlete using Rubwel. The ointment has become very popular as a household emollient and application, and, being free from stamp duty, the customer feels he is getting good value for money. The showcards and samples which are offered to chemists are good for helping on the sale of this article.

The Safety Non-Explosive Reservoir Co., Ltd., have a device which will commend it particularly to chemical-manufacturers, wholesale druggists, methylators, and country chemists who deal largely in petrol, naphtha, benzine, turpentine, and such inflammable liquids. The "Snercold" safety device is made of wire gauze and perforated metal cylinders in conjunction with a metal safety plug.

Frederick Sharman, in the same location as last year, shows syphons and his compact syphon-filling apparatus. The latter is complete for 34*l*. and only occupies about 4 feet square, so that it can be set up in almost any chemist's back shop.

A. F. Sherley & Co. are dog specialists. Their principal speciality is "Lactol," for weaning and rearing puppies, but they also put up worm-capsules for dogs, a shampoo,

and a skin-cure (for mange, ringworm, etc.). Chemists with a veterinary trade may find the Sherley specialities valuable.

H. Silverlock in a small stand is showing chemists' labels and specimens of printing suitable for chemists' requirements.

Solspa, Ltd., have only one word to say, but they say it well. It is difficult to miss "Solspa" or to fail to have the fact impressed upon you that "Solspa" is *the* cure for rheumatism, sciatica, and allied ailments.

Stephen Smith & Co., Ltd., have an exhibit of Hall's wine and other wines. There are three new varieties of invalid port, the "Double Tower," Castro's invalid port, and medicated port. "Keystone" brand of Liebig's meat and malt wine is still proving a popular seller—partly, perhaps, on account of the Lemco guarantee—and it is supplied with labels of a non-proprietary character for those chemists who prefer it.

F. J. Stokes Machine Co., whose agents are Thompson & Capper, have a capital show of pharmaceutical machinery which, when in motion, forms one of the greatest attractions of the Exhibition. There are six different classes of tablet machines—the "Eureka" (a hand machine), the "N"; "O"; "L"; "M" and Clark rotary compressor. The last-named has not been long on the market. It compresses about 500 tablets a minute and works noiselessly and cleanly. The "O" machine is a favourite with those manufacturers whose output does not warrant a rotary compressor. The capacity is 135 tablets a minute and it is a first-class machine. The power mortar is a piece of apparatus which will interest most chemists; it exactly imitates hand-trituration and is useful for preparing material for making into tablets.

The Stone Chemical Co., Ltd., are showing their two products—Stone Salve (for rheumatic affections) and Stone Ointment (for eczema, etc.). The retail prices of these are 4*s.* and 5*s.* per jar respectively, and both are protected by the P.A.T.A. Mr. Stone is in attendance at his exhibit, and he is justly proud of a large number of testimonials from people in various parts of the world which he is exhibiting for inspection. The business has been in existence since 1858, and the remedies are well known in Germany, France, and America.

Surgical Hosiery Co., Ltd., besides elastic hosiery, bandages, belts, trusses, and surgical indiarubber goods, exhibit a first-class English-made hot-water bottle, which is having a vogue and for which a great future is predicted. Chemists are ever desirous of combining quality with profit, so their attention is directed to the "Surco" leg bandage and to the "Surco" chest-expanding braces, all shown at this neat little stall.

H. A. Wanklyn has a bright little exhibit, consisting chiefly of Orlwara nail-brushes, peace pillows, and Velvey rubber sponges, and rubbers. Each of these classes shows improvements; the "Orlwara" brushes, for instance, are now made with a convex underside, which prevents any tendency to warp and holds the bristles better. The peace pillows are improved in odour, the smell of the hops being toned with lavender. For the Velvey rubber sponges a nice showcard is supplied which helps the sale wonderfully, as Mr. Wanklyn has been able to demonstrate very strikingly in some instances. Our representative was interested in a new collapsible hair-brush called the "Foldex," which collapses to about a quarter the thickness of an ordinary brush.

W. R. Warner & Co. have a multi-coloured exhibit of tablets, pills, and specialities. There seems to be a general development in the class of "own name" goods, which are taken up by chemists and pushed as non-secret remedies. In tablets note should be made of cascara in bottles of 200, and the anæmia tablets, chocolate coated and containing arsenic and manganese dioxide combined with Blaud's pills. There is a new package of Blaud's pills, which is out of the usual rut. The pills are labelled "Tonic Pil. Blaud," and the top of the outer case of each gross bottle is banded with a guarantee of genuineness. The chocolate-coated laxatives and digestive tablets are also good lines, and suitable for sale unstamped as "known and approved remedies" by those to whom this privilege is accorded by the Medicine-stamp Acts.

Vincent Wood is showing a great variety of surgical dressings and appliances, and is specialising in elastic hosiery. The "blue tip" elastic hosiery, produced at the Carlton works, is so-called because of the blue edge to the goods, which is to be taken as a sign of the best workmanship. Mention should also be made of the appendicitis belt, worn after the operation for appendicitis, and of the electric belts which generate a slight but constant current of magnetism. The attention of our representative was also called to the "Eureka Albion" leg bandage; it is made of elastic web and cannot slip.

Wright, Layman & Umney, Ltd., are showing a full range of packed pharmaceuticals suitable for the season. New labels, wrappers, and cartons for salines, health salts, citrates, and effervescent salts are in evidence, and lily foam, hazel foam, lemon crystals, seidlitz powders, bath salts, lemon squash, and photographic chemicals, solutions, and tablets are all appropriate to the summer that is "to be about to be." The Wright's Coal-tar Soap specialities are by no means kept in the background; special side-shows are given to Wright's coal-tar preparations and to Marza wine and tablets.

Wyleys, Ltd., find their new "syrup of prunes and bananas" a good seller. This is not surprising, for it is packed in pretty cartons, it tastes pleasant, and it only costs the retailer 5*s.* 6*d.* per dozen. "Vitano," the meat and malt wine of other days, has a new face and buyers like it. Doctors and patients alike now want "Syr. Ferri Phosph. Flav." with the pineapple flavour, when an iron tonic is indicated. Among the latest "Tropels" will be found Formalin, and a much-appreciated combination of potassium chlorate and liquorice (5 grains of each in a tropel). The last-named have sold exceedingly well during the past winter.

The Lescol Perfumery Co. are as bright and engaging in their exhibit as usual. The latest series in perfumes and toilet-articles is the "Parfum Exquis." It comprises a sensational 1*s.* line in perfumes, boxed singly, beautifully labelled, and a lot for the money. An artistic and inexpensive series is being produced, each bottle contained in Japanese lacquered boxes; there are two sizes, to retail at 1*s.* and 1*s.* 6*d.* respectively. "Karesme" is a very acceptable floral extract which is gaining in popularity, and the old favourites, "Nicosia," "Anvar Kama," Royal Red Rose, etc., are well represented. Perfumes to retail at from one penny to one guinea each are to be selected from at this pretty exhibit, and North-Country chemists who are not able to be at the London exhibition will have an opportunity of testing the Lescol preparations at the Scottish National Exhibition in Edinburgh, where the company have a stall.

Other exhibitors are the Selits Manufacturing Co.; Senier's Electric Cloth Ball; J. Theobald & Co.; J. E. Garratt; Howison & Co., Ltd.; Jacko Dust Co.; the Eustace Miles Restaurant Co., Ltd.; and the Ozonia Co.

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"Folia Therapeutica" for April is an exceptionally interesting number, and begins with an elaboration by Dr. Macnaughton-Jones of the speech which he made recently at the London Chemists' Association on "the debt of medicine and surgery to chemistry." A pathetic interest is attached to the paper on "Protection and *x*-ray Therapy," by Mr. J. Hall-Edwards. Other contributions are by well-known practitioners. The annotations to current literature on therapeutics continue on most useful lines.

Fuller's Earth Union, Ltd.—The report for the twelve months ended March 31 states that the profit and loss account for the year shows a net profit of 7,433*l.*, a sum of 264*l.* brought forward, making a total of 7,697*l.* An interim dividend (1,084*l.*) on the preference shares was paid in November last, leaving 6,613*l.* The directors recommend a dividend of 10 per cent. per annum on the ordinary shares, and from the balance then remaining the directors' fees will be paid and the balance (189*l.*) carried forward.

The Bomb-plots.—The recent police-raids at Calcutta have brought to light the existence of a large organisation for the manufacture of bombs, explosives, etc. One of the places visited had a signboard describing the shop as a pharmacy. Inside this "pharmacy" was discovered a well-equipped, bomb-factory, together with electric batteries, picric acid, gunpowder, dynamite cartridges, etc.

# The Week's Poisonings.

THE fatalities by poisoning during the week numbered sixteen, four being misadventures. A peculiar case occurred in Marylebone, where a child named Looner died after taking what its mother described as "Condy's crystals," which she had obtained for a sore throat, and the child had got hold of the cup in which the crystals were kept and ate a quantity, thinking them sweets. One of the witnesses at the inquest was Mr. Frederick Early Tozer, chemist and druggist, Great Titchfield Street, W., who said he did not remember selling the mother anything. He (witness) is not allowed to sell crystals called "Condy's." There is a proprietary article known as "Condy's fluid." It is possible that he (witness) had sold permanganate of potash for a gargle. The medical evidence was that death was due to hæmorrhage resulting from corrosive poison.—Maria Hooker (15), of Woking, drank a mixture of paraffin and camphorated oil and then drowned herself.—Bertha Esther Timms (33) committed suicide by taking a liniment of ammonia and turpentine.—Mrs. Lydia Russ, the young wife of a Cardiff millwright, took a fatal quantity of salt of lemon in mistake for seidlitz-powder. At the inquest a juryman pointed out that the salt of lemon when sold by a chemist was always wrapped in white paper, whereas the paper containing the poison taken by the deceased was brown. It was explained that the white paper had probably been burst, and that deceased had herself re-wrapped the salt of lemon in brown paper.—Three deaths were caused by laudanum. It was taken by Mrs. Henderson (70), of Aberdeen, by Mary Anne Thomas (42), of Colne, and by William Stott (37), a chemist's assistant at Broughton (taken for insomnia); while Sarah Hollingworth (40), of Oldham, died from narcotic poisoning—probably laudanum.—Ellen Campbell (50) inadvertently took an overdose of morphine, and died as the result.—At Ashington, Edward Cobble (39) poisoned himself with carbolic acid, and the same poison was taken with fatal results by Annie Williamson (43), of Blackpool, and by Jane Little (70), of Whitehaven.—Annie Clark (51), of Catford, died at Haslemere from the effects of drinking a poisonous lotion.—A boot-finisher at Bethnal Green, named Jenkins, poisoned himself (with some unnamed poison) through worry because of his poverty.—Patrick Cunningham (42) died from chloral-poisoning at Liverpool. Cunningham was found unconscious in the street, and it is suspected that he was drugged and robbed.—An Edgware Road butcher, Patrick O'Connor (55), poisoned himself with potassium bichromate.

## MARKET CABLEGRAMS.

Bergen, May 6:—The cod-fishing in the Finmarken district continues fair, and the market is quiet and unchanged at 52*s.* per barrel f.o.b. Bergen for finest non-congealing Lofoten oil.

New York, May 7:—Business in drugs is of a jobbing character. Opium is steady at $4.55 for druggists' quality in case lots. Hydrastis (golden seal) is dull of sale at $1.90 per lb. Cascara sagrada continues easy and unchanged at 6½c. The price of peppermint oil in bulk is nominal at $1.55 per lb. Central and South American copaiba is steady at 50c., and Balsam Peru is also steady at $1.65. Tolu balsam is easy at 21c. per lb., and senega is 2c. lower at 43c. per lb.

Smyrna, May 7:—The sales of opium amount to 50 cases extra Karahissar, at the equivalent of 13*s.* 2*d.* and 12 cases current talequale at 12*s.* 6*d.* per lb.

The University of London has benefited to the extent of 5,000*l.* bequeathed by Mrs. Fanny Hertz, of 40 Lansdowne Crescent, Notting Hill, W., to be invested and the annual income applied for a prize or scholarship to be known as the "Hertz-Macdonnell" prize or scholarship, to be given annually for the best piece of original work in chemistry or physics produced by an undergraduate of that University in the year in which the prize is awarded. A similar sum goes to the University College, Gower Street, W.C., for a "Hertz-Macdonnell" scholarship to a medical student of the college to enable him to carry out an original investigation into any subject bearing on the diagnosis or treatment of disease.

# Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

### 42 Cannon Street, London, E.C., May 7.

THE course of business in drugs and chemicals continues disappointingly slow among the bulk of dealers, and there are practically no features of unusual interest to report. The price fluctuations, although numerous, are mostly slight, and the bulk of them tend in buyers' favour. Citric acid is very firm; tartaric acid and cream of tartar are both steady. Green copperas is scarce and higher. Crude China camphor is easier. Cascara sagrada, menthol, and copaiba are firmer on spot. Among articles that have eased in value during the week may be included arsenic, buchu, castor oil, balsam tolu, ipecac, opium, lemongrass oil, and vanilla; while the following table summarises the leading movements:

| Higher | Firmer | Easier | Lower |
|---|---|---|---|
| Aloes, Cape | Aniseed oil (c.i.f.) | Arsenic | Camphor (Jap. ref.) |
| Aniseed | Cascara sagrada (spot) | Buchu | Clove oil |
| Cardamoms | Copaiba | Balsam tolu | Cocoa butter |
| Honey (Jam.) | Menthol | Castor oil | Coriander oil |
| Iron sulphate | | Ipecacuanha | Dill oil |
| Poppy seed oil | | Opium | Lemongrass oil |
| | | Quicksilver (seconds) | Male fern ext. |
| | | Shellac | Resin |
| | | Turpentine | |
| | | Vanilla | |

### London Markets.

Acid, Citric, remains firm at 1*s.* 4*d.* per lb. for English from secondhands, makers being out of the market, while for foreign from 1*s.* 3½*d.* to 1*s.* 3¾*d.* is quoted.

Acid, Oxalic, continues to have an easy undertone at 3½*d.* per lb. net, delivered free London.

Aniseed is dearer; Russian on the spot is now held for 22*s.* 6*d.* per cwt.

Arsenic.—The weaker feeling continues, and our last quotation of 18*s.* 6*d.* for English powdered would be shaded for quantity.

Camphor.—Further sales of China crude have been made on the spot at 155*s.*, and for arrival sellers quote 152*s.* 6*d.* c.i.f. for May-June shipment. Japanese refined is lower, with sales of 1-oz. tablets at 1*s.* 10½*d.* to 1*s.* 11*d.* per lb. spot and at 1*s.* 9*d.* c.i.f. for May-June shipment, but at the close May-July is quoted 1*s.* 7*d.* c.i.f. The exports of camphor from Japan during January amounted to 319,713 kin against 185,673 kin in 1907 and 265,729 kin in 1906. In auction ten cases Japanese refined (1 oz.) tablets offered, of which two sold at 1*s.* 11*d.* per lb.

Canary-seed is unchanged in value, but very slow of sale at 28*s.* to 31*s.* per quarter for ordinary to good clean River Plate. Some Spanish has been sold at 69*s.* to 72*s.* for good, and at 80*s.* for fine; but medium qualities are neglected.

Caraway-seed is steady at 42*s.* 6*d.* per cwt. for fair Dutch.

Cascara Sagrada.—Now that the cheap parcels have been cleared, the spot market has assumed a firmer tone, buyers having had to pay up to 34*s.* per cwt., at which several tons have changed hands, and there are now no sellers under 35*s.* to 36*s.* for new bark, while for, say, three-year old 40*s.* is asked. For shipment there has been a speculative offer of 32*s.* 6*d.* c.i.f., which has not tempted

buyers. In the drug auction a parcel of 117 bags imported in January 1904—practically five-year-old bark—of mostly thin pale quality, was bought in at 40*s.*, the broker intimating that he would sell at 35*s.* gross for net, no discount.

Cinchona.—The shipments from Java to Europe during April amounted to 1,305,000 Amsterdam lb. against 1,820,000 for the corresponding period of 1907. The total shipments for the four months now amount to 4,389,000 Amsterdam lb. against 5,621,000 Amsterdam lb. last year, 3,168,000 Amsterdam lb. in 1906, and 4,312,000 Amsterdam lb. in 1905.

Cloves.—Privately business in the delivery market has been on a limited scale, including June-August delivery at 4⅞*d.*, being easier, closing buyers at 4¾*d.* At auction six cases of Ceylon offered and sold at 7¼*d.* per lb. for good.

Cocoa Butter.—At auction 40 tons Cadbury's sold at from 1*s.* 3*d.* to 1*s.* 3½*d.*, the average price being 1*s.* 3⅛*d.* or 1 3/16*d.* per lb. lower.

Copper Sulphate.—Liverpool is quoted at 21*l.* to 21*l.* 5*s.* for May, and 19*l.* 5*s.* to 19*l.* 7*s.* 6*d.* per ton for June delivery, the latter position being easier.

Coriander-seed is firm, but quiet, demand as usual being slow at this time of year. Morocco is quoted at 9*s.* 6*d.* to 10*s.* per cwt. for fair to good.

Cumin-seed rules in buyers' favour. Malta is quoted 40*s.*, and Morocco 35*s.* per cwt.

Elemi.—We note arrival of 30 packages from Hamburg.

Fenugreek-seed is steady at 9*s.* 6*d.* per cwt. on the spot, and at 9*s.* c.i.f. terms for Morocco.

Iodides.—Potassium iodide of British make is quoted 7*s.* 11*d.* for minimum quantities, and in order to protect buyers the makers have recently revived the reduction clause on iodine preparations for twenty-one days from date of each delivery. Iodoform powder is quoted 11*s.* 8*d.* to 11*s.* 11*d.* as to quantity, and the crystals at from 11*s.* 11*d.* to 12*s.* 2*d.* per lb. net. Resublimed iodine 10*s.* to 10*s.* 3*d.*, and commercial 9*s.* 3*d.* per lb. net.

Iron Sulphate has advanced 2*s.* 6*d.* per ton to 52*s.* 6*d.*, and prompt stuff continues very scarce.

Jalap.—The market remains practically bare, and for shipment from New York, goods testing about 9 per cent. of resin are offered at 9*d.* per lb. c.i.f.

Linseed.—There is no change in price to note. Good to fine qualities are selling at 45*s.* to 51*s.* per quarter.

Mace.—At auction 72 packages of West Indian were offered, and practically all sold at steady rates, including good pale and reddish at from 1*s.* 4*d.* to 1*s.* 5*d.*; fair to good red at 1*s.* 2*d.* *to* 1*s.* 4*d.*; and ordinary broken to good pale at from 10*d.* to 1*s.* 3*d.* per lb.

Oil, Castor.—In Liverpool good seconds Calcutta is quoted at 3*d.* per lb., and first pressing French at 3⅛*d.* Hull make is lower at 23*l.* 15*s.* for firsts, 22*l.* 5*s.* for seconds, and June to December 24*l.* and 22*l.* 10*s.* per ton respectively, ex wharf London.

Oil, Cod-liver.—Our Bergen correspondent writes on May 4 that the fishing at Finmarken continues to be satisfactory, but the bulk of the livers is being used for the production of raw oils, instead of being steam-refined. The market for finest non-congealing Lofoten oil continues very quiet at the equivalent of 52*s.* per barrel f.o.b. Bergen. The exports from Bergen up to date amount to 5,471 barrels, against 3,810 barrels at the corresponding date of last year.

The statistics for the whole of Norway up to date are as follows :—

| — | 1908. | 1907. | 1906. |
|---|---|---|---|
| Catch of cod (millions) ... ... | 37 4 | 38.4 | 37 1 |
| Cod-liver oil (barrels) ... ... | 42.470 | 33,000 | 28,400 |
| Livers for raw oils (hect.) ... | 17,200 | 14,250 | 11,300 |

In London agents report business as being very slow, prices being unaltered.

Oils, Essential.—Several alterations in prices have been made among the minor essential oils, including a reduction in oil of *Dill*, the B.P. quality of which is now quoted at 12*s.* per lb. *Coriander* oil is also cheaper at 2*s.* 9*d.* per oz. or 40*s.* per lb., and oil of *Male fern* has been reduced to 4*s.* 6*d.* per lb. net. The cheaper prices for cloves have enabled English distillers to reduce their prices for the oil, "opt." of which is offered at 3*s.* 5*d.*, and No. 2 quality 3*s.* 4*d.* per lb. English expressed *Poppy-seed* oil has been advanced to 8*d.* per lb. *Staves-acre* oil is unchanged at 4*s.* 9*d.* per lb., although seeds are scarce and dear, and the same may be said of *Cubeb* oil at 5*s.* 6*d.* per lb. *Croton* oil is quoted 3*s.* 3*d.* per lb., and owing to the scarcity of genuine Para copaiba the essential oil is not quoted. Genuine oil of East Indian *Sandalwood* is offered at 12*s.* 3*d.* per lb., which price might be shaded for quantity. Best English distilled Lavender oil is quoted 24*s.* per lb. net., and English Peppermint oil at 37*s.* per lb. net. Good brands of Wayne County are quoted 6*s.* 9*d.* per lb. to 7*s.* on the spot, the price of H.G.H. in five-case lots being 11*s.* per lb.

Opium.—A Smyrna correspondent writing on April 25 states that no business was anticipated, as the market was practically closed in consequence of the Easter Jewish feasts. Three buyers for England, however, presented themselves for prime Karahissar, and altogether twenty-four cases changed hands at the equivalent of 12*s.* 2*d.* per lb. c.i.f. European ports. This inclination to sell on the part of holders surprised nobody. Of the above twenty-four cases only eleven have been examined up till now, and they have all been rejected, which points to the conclusion that others will also be rejected. The anticipation of replacing the rejected cases seems to have given a certain assurance to the holders, who were somewhat demoralised by the favourable reports of the new crop, as they understand that in the not far distant future the losses on their stock will be increased. The arrivals amount to 1,382 cases, against 3,217 cases last year on the same date. Another Smyrna correspondent, writing on April 25, states that favourable reports as to the new crop continue to reach us from all sides, except from certain small districts where some damage has been done. The large holders still refrain from selling, in the hope that the new crop may not justify expectations. Including Salonica and Malatia, the crop is estimated at 8,000 cases, and if no accidents supervene it may total 10,000 cases.

Pimento at auction was slow, the 183 bags offered being bought in at 2¼*d.* to 2⅜*d.* per lb.

Quicksilver.—The importer's price is unaltered at 8*l.* 5*s.* per bottle, but in secondhands 8*l.* 1*s.* 6*d.* is quoted.

Quinine is lifeless so far as regards speculation, and quotations are nominally unaltered at 7¾*d.* per oz. for the usual brands of German sulphate. The Amsterdam Quinine-works will offer by public auction on Friday, May 15, 1,417.000 kilos. (50,000 oz. net) of quinine sulphate B.P. The imports into London during April amounted to 30,000 oz., and the deliveries to 33,872 oz., making the stock on April 30, 3,397,264 oz., against 3,638,320 oz. in 1907.

Resin is 3*d.* per cwt. easier for common-strained at 8*s.* 6*d.* spot.

Shellac.—The market closed quietly last week with sellers of fair free TN orange at 97*s.* 6*d.*, at which price there are still sellers. Good and fine orange marks are slow at from 115*s.* to 130*s.* as to quality; AC Garnet also sells slowly at 105*s.* for fair free, and GAL in circle at 87*s.* 6*d.* to 90*s.* For arrival TN for May-June shipment is offered at 90*s.* c.i.f. to 95*s.* c.i.f. Futures early in the week declined on an inactive market, May offering at 94*s.* and August at 97*s.*, but on Wednesday May sold at 91*s.* 6*d.* *to* 95*s.*, being firmer, the sales comprising 400 cases.

Soda Nitrate.—Refined on the spot is quoted 11*s.* and ordinary 10*s.* 9*d.*, but Liverpool quotations are slightly easier at 10*s.* 6*d.* and 10*s.* 3*d.* respectively.

Tamarinds.—In the drug auction thirty-two barrels Barbados of new crop sold at 15*s.* per cwt. in bond, and six barrels St. Nevis at 15*s.* in bond. Privately Barbados are offered at 19*s.* per cwt., duty paid.

Turpentine is lower on the week, the spot price for American closing at 33*s.* per cwt.

Vanilla.—At auction 550 tins were offered, and the bulk

consisted of seconds and brown foxy, of which about 330 tins sold at a reduction of about 6*d.* per lb. The few good and fine pods offered were practically all bought in. The following prices were paid: Seychelles, 2½ to 8 in., 5*s.* 9*d.* to 7*s.* 6*d.*; slightly mouldy, 1*s.* to 6*s.* 6*d.* per lb. Madagascar, fair, 6½ to 7 in., 9*s.* 6*d.*; 6 to 6½ in., 8*s.* 6*d.*; common, 3½ to 8 in., 4*s.* 3*d.* to 8*s.*; and slightly mouldy, 2*s.* 6*d.* Mauritius, fair, 4 to 6 in., 7*s.* to 9*s.*; and common, 6*s.* to 8*s.* Bourbon, fair, 6½ to 7½ in., 8*s.*, subject; 6½ in., 7*s.* 9*d.*; and common, 4*s.* to 6*s.* 9*d.* per lb.

## London Drug-Auctions.

The sales were resumed to-day, after an interval of a month. A moderate quantity of new and secondhand goods was offered, and a fair proportion changed hands at and after the sale, but prices generally were in favour of buyers. Cape aloes met with good demand at full prices to a slight advance, and Curaçao also tended dearer. Asafetida was quite neglected; buchu is plentiful, but even at a small concession there were no buyers; balsam tolu sold cheaply, and for benzoin, which is scarce, full prices were paid; cardamoms are firm to slightly dearer; colocynth sells at remarkably low prices; calumba is cheap, and cascara sagrada has taken a turn for the better; dragon's-blood is easing off slightly in price; gamboge is scarce and wanted; Jamaica honey, although in good supply, realised an advance on the finer qualities; ipecacuanha is slow and 1*d.* per lb. easier; kola is in demand at low figures; lime-juice is steady, and for menthol rather easier prices were paid, but the tone privately is firmer; rhubarb is steady, and grey sarsaparilla was slightly dearer; native is also steady, but Lima tended easier; full prices were paid for Tinnevelly senna, which is somewhat scarce; squill keeps low in value, and in bees' wax of all descriptions there were no material changes. The following table shows the amount of goods offered and sold:

| | Offered | Sold |
|---|---|---|
| Aconite (Jap.) | 20 | 0 |
| Albumen | 8 | 0 |
| Aloes— | | |
| Cape | 60 | 60 |
| Curacao (boxes) | 63 | 13 |
| Socotrine | 10 | 0 |
| Ambergris (tin) | 1 | 0 |
| Ammoniacum | 5 | 0 |
| Anise, star | 40 | 0 |
| Annatto-seed | 14 | 0 |
| Antimony (cr.) | 10 | 0 |
| Araroba | 4 | 0 |
| Areca | 70 | 0 |
| Asafetida | 385 | 9 |
| Balsam Canada | 2 | 0 |
| Balsam tolu | 22 | 22 |
| Benzoin— | | |
| Palembang | 9 | 0 |
| Sumatra | 101 | 37 |
| Birdlime | 5 | 0 |
| Buchu | 67 | 0 |
| Burdock (cut) | 10 | 0 |
| Calumba | 49 | 49 |
| Camphor (Cey. cr.) | 1 | 0 |
| (Jap. tabs.) | 22 | 2 |
| Cauella alba | 6 | 0 |
| Cannabis indica (E. African) | 34 | 0 |
| Cardamoms | 181 | 148 |
| Cascara sagrada | 117 | 0 |
| Cascarilla | 56 | 0 |
| Cashew-nuts | 124 | 0 |
| Chiretta | 15 | 0 |
| Cinchona | 30 | 0 |
| Coca-leaves | 34 | 13 |
| Cocculus indicus | 100 | 0 |
| Cochineal | 13 | 0 |
| Colocynth and pulp | 37 | 10 |
| Croton-seed | 30 | 0 |
| Divi-divi | 19 | 19 |
| Dragon's-blood | 38 | 14 |
| Ergot | 10 | 0 |
| Fennel-seed | 100 | 0 |
| Galangal | 17 | 0 |
| Galls | 12 | 6 |
| Gamboge | 18 | 5 |
| Gum arabic | 23 | 1 |
| Honey— | | |
| Argentine | 49 | 0 |
| California | 20 | 0 |
| Jamaica | 315 | 268 |
| Smyrna | 16 | 0 |
| Ipecacuanha— | | |
| Cartagena | 11 | 2 |
| Ipecacuanha— | | |
| E. Ind. | 13 | 0 |
| Matto Grosso | 17 | 6 |
| Minas | 9 | 6 |
| Kamala | 4 | 0 |
| Kino | 6 | 0 |
| Kola | 80 | 52 |
| Lime-juice | 27 | 10 |
| Liquorice-juice | 27 | 0 |
| Mastich | 10 | 0 |
| Menthol | 5 | 0 |
| Myrrh | 114 | 0 |
| Nux vomica | 348 | 25 |
| Oil— | | |
| aniseed | 9 | 0 |
| cajuput | 20 | 0 |
| camphor | 19 | 0 |
| cassia | 2 | 0 |
| cinnamon | 34 | 1 |
| eucalyptus | 34 | 0 |
| lemongrass | 42 | 23 |
| lime (W.I.) | 2 | 0 |
| neroli (bott.) | 1 | 1 |
| orange | 1 | 1 |
| peppermint | 62 | 5 |
| Olibanum | 30 | 0 |
| Opium (Tky.) | 3 | 0 |
| Orange-peel | 56 | 0 |
| Otto of rose (vase) | 1 | 0 |
| Papain | 5 | 0 |
| Pareira brava | 24 | 0 |
| Quassia chips | 20 | 0 |
| Rhapontica | 18 | 0 |
| Rhatany | 25 | 25 |
| Rhubarb (China) | 66 | 32 |
| Sandarac | 10 | 0 |
| Sarsaparilla— | | |
| Grey Jamaica | 20 | 20 |
| Lima | 24 | 24 |
| Native | 18 | 15 |
| Scammony root | 53 | 0 |
| Seedlac | 60 | 0 |
| Senna and pods— | | |
| Alex. | 100 | 0 |
| Tinnevelly | 94 | 81 |
| Squill | 55 | 18 |
| Sticklac | 47 | 0 |
| Strophanthus | 4 | 4 |
| Tamarinds | 161 | 55 |
| Thyme seed | 16 | 0 |
| Tonka-beans | 1 | 1 |
| Turmeric | 197 | 20 |
| Turtle, dried | 6 | 0 |
| Wax (bees')— | | |
| Abyssinian | 5 | 0 |
| Australian | 7 | 1 |
| Cape | 6 | 6 |
| East African | 7 | 6 |
| East Indian | 48 | |
| Grenada | 1 | 0 |
| Wax (bees')— | | |
| Jamaica | 25 | 9 |
| Madagascar | 24 | 22 |
| Morocco | 7 | 0 |
| Spanish | 35 | 0 |
| Zanzibar | 38 | 0 |
| Wax, Japan | 5 | 5 |

Aloes.—Cape opened at steady prices, but the second parcel offered brought full to rather dearer rates. About 54 cases Mossel Bay sold on the usual 20 per cent. tares at 36*s.* to 36*s.* 6*d.* for good bright hard, 33*s.* 6*d.* to 35*s.* 6*d.* for fair ditto slightly drossy, 32*s.* 6*d.* to 33*s.* for dull seconds, and 28*s.* to 30*s.* 6*d.* for partly very soft and livery to common drossy. Ten cases Algoa Bay sold on "estimated tares" at 36*s.* per cwt. for fine hard bright. Curaçao aloes in boxes sold at high rates, including fair liver at 48*s.*, and ordinary dull at 38*s.* to 41*s.* per cwt.

Areca is plentiful at 20*s.* per cwt.

Asafetida.—At auction a moderate quantity was offered and practically all bought in at nominal prices, but subsequently some small orders were placed on private terms.

Balsam, Canada.—For good bright 2*s.* 3½*d.* per lb. was wanted.

Balsam Copaiba.—Further small sales of guaranteed genuine B.P. have been made at 2*s.* 4½*d.* per lb., and the few sellers now ask 2*s.* 5*d.* to 2*s.* 6*d.* per lb.

Balsam Tolu rather weak. Twenty-two cases of fair hard in large tins sold cheaply at 10*d.*, slightly drossy at 9½*d.*, and drossy at 9*d.* per lb.

Benzoin.—Although the offerings of Sumatra benzoin totalled 124 cases only, this represented practically all the first-hand stock in London to-day, and it is doubtful whether the stock of this important drug has ever been so low as it is now. A few cases of good almondy Sumatra sold at from 8*l.* 2*s.* 6*d.* to 8*l.* 5*s.* per cwt., and for 9 cases of ordinary almondy seconds 6*l.* 10*s.* was paid, while 8 cases of good thirds realised 5*l.* About 25 cases of low thirds sold without reserve at from 80*s.* to 95*s.* per cwt. The best lots in the sale had been disposed of privately.

Buchu neglected. A large quantity was offered, but no public business was done, although buyers were given their pick of the bales of good green round at 8½*d.* per lb.

Calumba sold at low rates, 39 bags of ordinary brown sorts being disposed of without reserve at 12*s.* 6*d.*, and common small ditto at 9*s.* per cwt. Ten bags of small to bold yellow washed sold without reserve at 13*s.* per cwt.

Cannabis Indica.—There is a continued scarcity of genuine Bombay tops, not a package being available on the spot, and for arrival small parcels are offered at comparatively high prices. The only description offered to-day was the inferior East African, which all passed the hammer unsold at from 6*d.* to 7*d.* per lb.

Cardamoms.—There seemed an undertone of strength in this article to-day, judging by the attitude of brokers, and with the supplies on a reduced scale the bulk found buyers at firm to rather dearer rates, this especially applying to the medium and split qualities. The following prices were paid:—Ceylon-Mysore.—Extra bold pale roughish skins, 2*s.* 4*d.*; bold smooth dullish pale, 2*s.* 1*d.*; bold pale, 2*s.* 1*d.*; bold and medium palish to pale, 1*s.* 8*d.* to 1*s.* 10*d.*; small and medium palish to pale, 1*s.* 6*d.* to 1*s.* 7*d.*; small palish to pale, 1*s.* 3*d.* to 1*s.* 4*d.*; small specky, 1*s.* 2*d.*; brown, split and pickings, 1*s.* 1*d.* to 1*s.* 3*d.*, and seed 1*s.* 4*d.* to 1*s.* 9*d.* per lb. Fourteen cases of native wild were bought in, including good medium to bold full at 1*s.* 8*d.*

According to the exports from Ceylon during the period January 1 to April 13, 1908, there has been a decline of 50,000 lb., as compared with 1907, the figures being as follows: 1908, 175,451 lb.; 1907, 225,452 lb.; 1906, 217,915 lb.; and 1905, 224,399 lb. Shipments to United Kingdom up to date amount to 54,683 lb., India to 95,091 lb., Germany to 9,480 lb., but no exports have been made direct to U.S.A. A Ceylon planter, writing to the local "Observer" on April 11, says: "Rainfall to date is double that of same time last year—this is good for the cardamoms. In view of the shortage in exports this year he does not believe that more than 90 per cent. of the estimate (700,000 lb.) will be shipped, this being, in his opinion, due to the extensive rootings out.

Cascarilla.—Good bold quill, part silvery, was bought in at 82*s.* 6*d.*; small quill, part stringy, was held at from 67*s.* 6*d.* to 70*s.*, and siftings at from 50*s.* to 52*s.* 6d. per cwt.

Chiretta.—There were no sales in auction, but privately a small business has been done at $2\frac{7}{8}d.$ per lb.

Coca Leaves.—Quiet. Four cases of rather brown Ceylon-Huanuco sold at $5\frac{3}{4}d.$ per lb., and for 9 cases of good green ditto 9*d.* was paid.

Colocynth.—Eight bales of dull damaged pulp sold without reserve "on account of whom it may concern," at from 5*d.* to 6*d.* per lb. A further seventeen bales were offered, and partly bought in at 10*d.*, seven having been sold privately. Two cases of Turkey apples also sold without reserve at 6*d.* per lb. for small to medium dull apples.

Dragon's-blood.—Firm and in demand. Two cases of dull lump sold at 8*l.*, and for four cases ordinary damp lump 7*l.* was paid. Good bright seedy lump (four cases) sold at 10*l.* 7*s.* 6*d.* subject, and three cases fair bright seedy lump at 9*l.* subject; but we understand the former price was not confirmed, and the buyer had to pay 10*l.* 10*s.* A case of brilliant, slightly seedy, Singapore lump sold firmly at 11*l.* 10*s.* per cwt.

Gamboge.—Eight cases of Siam pipe of good bright orange fracture, partly blocky, were held at 16*l.* 10*s.* per cwt., at which the broker stated he had been selling privately. At the close of the sale, however, five cases sold cheaply at from 15*l.* 15*s.* to 15*l.* 17*s.* 6*d.* per cwt. for equally good quality, indicating an easier feeling.

Gum Arabic.—Small sales of Trieste picked grains were made at 85*s.* per cwt.

Honey.—A fairly large quantity of newly-arrived Jamaica honey was offered, and with a good demand prices appreciated 1*s.* to 2*s.* per cwt. Fine pale hard set realised 32*s.* to 33*s.*; good pale set, 28*s.* 6*d.* to 30*s.*; brown set, 20*s.* 6*d.* to 22*s.* Nice pale amber liquid, 30*s.* to 30*s.* 6*d.*; fair pale amber liquid and setting of rather unsightly appearance, 28*s.* to 30*s.*; good brown liquid, 25*s.* to 26*s.*; ordinary brown liquid, 22*s.* to 23*s.* 6*d.*; and common dark brown 20*s.* to 21*s.* per cwt.; 20 cases good pale liquid and setting Californian were held at 42*s.* 6*d.* per cwt., and 49 half-barrels Argentine were bought in at 22*s.*

Ipecacuanha quiet and 1*d.* per lb. easier. Thirteen bales of East Indian were all bought in in the absence of bids, the limit being 5*s.* 10*d.* per lb. Two bales Matto Grosso realised 5*s.* 6*d.* for fair lean, which price has been paid privately, but subsequently four bales realised 5*s.* 5*d.* to 5*s.* 4*d.* for good bright, partly bold, being the turn easier. Six bales cultivated Minas sold at from 5*s.* 3*d.* to 5*s.* 4*d.* per lb. for fair. Cartagena was easier, two bales of dull selling at 4*s.* 2*d.*

Kola.—Two bags very small dried West African quarters from S. Thome sold at $1\frac{1}{2}d.$ per lb. About 45 packages of West Indian and Ceylon sold at from $1\frac{1}{2}d.$ to $1\frac{3}{4}d.$ per lb. subject, for fair dried.

Lime-juice.—Steady. Three hogsheads of good pale raw West Indian sold at 1*s.* 2*d.* per gal., and for seven puncheons of similar quality 1*s.* 3*d.* was paid.

Mastich.—Good pale tear was held for 2*s.* 2*d.* per lb., and small sales are in progress at about this figure.

Menthol.—In auction five cases of Kobayashi crystals sold at 6*s.* 7*d.* per lb., which is cheap, considering that sellers privately require 6*s.* 9*d.* for Kobayashi, and that practically all the cheap parcels have been disposed of; there are buyers of Suzuki at 6*s.* 6*d.*, but sellers ask 6*s.* 8*d.*

Myrrh is very slow of sale. The bulk of the stock consists of the Somaliland gum, which is not appreciated. Genuine old-fashioned Aden sorts are worth 80*s.* upwards, and common 75*s.* per cwt.

Nux Vomica.—Twenty bags ordinary dull unwashed Cochin sold at 7*s.* per cwt., and 5 bags sea-damaged at 11*s.* 6*d.*

Oil, Aniseed Star.—Four cases Chinese (Macao brand) of doubtful quality were held at 4*s.* 6*d.* per lb., which price is also asked for "Red Ship" brand on the spot. Privately 4*s.* $1\frac{1}{2}d.$, c.i.f., is now quoted for shipment, and 4*s.* is said to have been refused.

Oil, Cassia.—Two cases, analysing 80 to 81 per cent. c.a. (Parry's analysis), were held at 5*s.* per lb.

Oil, Cinnamon Leaf.—Small sales of Ceylon leaf oil were made at $2\frac{5}{8}d.$ per oz., the remainder of the parcel being bought in at $2\frac{3}{4}d.$; one case of fine genuine Ceylon bark oil was held at 2*s.* 3*d.* per oz.

Oil, Lemongrass.—Lower. A parcel of 28 cases sold without reserve, including 70 per cent. to 76 per cent. of citral, at from $1\frac{3}{8}d.$ to $1\frac{1}{2}d.$ per oz.

Oil, Lime, steady at 1*s.* 10*d.* per lb., which price was paid for two cases West Indian distilled.

Oil, Orange.—One case of West Indian distilled realised 5*s.* per lb.

Oil, Peppermint.—Two cases A. Chiris Wayne County oil containing, according to printed analysis, 55 to 57 per cent. total menthol, were held at 6*s.* 9*d.* per lb Fifty-five cases of Rudd's brand Wayne County oil had been catalogued "without reserve," but at the last moment the seller had placed a limit of 7*s.* upon the goods, and in consequence no business was done. Privately 7*s.* spot has been paid for a good brand. Five cases Kobayashi dementholised oil sold at 4*s.* 6*d.*

Pareira Brava.—This ancient drug having long fallen into desuetude, there was little interest shown in the parcel offered, and it was with difficulty bids reached 25*s.*, the broker intimating that he might begin to sell at 30*s.*

Rhatany.—A parcel of low, chumpy quality sold cheaply without reserve, 25 bales of Peruvian being knocked down at from $\frac{1}{2}d.$ to $\frac{5}{8}d.$ per lb.

Rhubarb sold at steady rates, two cases of bold round Shensi with three-quarters fair pinky fracture sold at 2*s.*, and for two cases of bold round heavy Shensi with three-quarters good pinky fracture 2*s.* 6*d.* was paid. Eight cases medium round three-quarters fair colour sold at 1*s.* 10*d.*, and of Canton six cases of small trimming-root and partly stalky sold at 1*s.* 4*d.* to 1*s.* 5*d.* Several parcels sold without reserve to clear consignments, including medium and bold, round and flat Canton, with three-quarters fair pinky fracture, at from 1*s.* 3*d.* to 1*s.* 4*d.* Medium and bold round Canton with half pinky and half grey and dark fracture sold at 1*s.* 3*d.*, and spongy pickings at 1*s.* per lb. Two cases medium round horny High-dried with three-quarters good pinky fracture, one quarter grey and dark, sold steadily at 9*d.*; and two cases small and medium flat High-dried at 1*s.* 5*d.*

Sarsaparilla.—Fully steady to slightly dearer for genuine grey Jamaica, thirteen bales of which sold at from 2*s.* to 2*s.* 1*d.* per lb. for a parcel below average quality, the bulk being coarse and dark, and for water-damaged from 1*s.* 7*d.* to 2*s.* was paid; a further seven of better quality, partly good fibrous, sold at 2*s.* 1*d.*, and water-damaged at 1*s.* 9*d.* Native Jamaica was steady, ten bales selling at 1*s.* 1*d.* to 1*s.* 2*d.* for fair red, 1*s.* for ordinary yellow, and 9*d.* for sea-damaged, and for a further five bales pale yellow to dull red sold at 1*s.* to 1*s.* 1*d.*, and sea-damaged at 10*d.* per lb. Of Lima-Jamaica twenty-four bales offered and sold at from 1*s.* 4*d.* to 1*s.* 6*d.* for fair to good, and 1*s.* 2*d.* to 1*s.* 3*d.* for part coarse.

Senna.—Full prices were paid for the small offerings of Tinnevelly leaf, from $1\frac{1}{2}d.$ to 2*d.* being realised for small common specky to ordinary leaf. A parcel of 14 bales fair bold green leaf sold at from 3*d.* to $3\frac{1}{4}d.$ per lb. subject, and several other secondhand lots were bought in. Pods sold at $2\frac{3}{4}d.$ per lb. A quantity of Alexandrian was offered, but no public business was done. The limit for fine pods was 10*d.* Good, slightly broken leaf was obtainable at $7\frac{1}{2}d.$, broken leaf at $3\frac{1}{2}d.$, and siftings at 2*d.* per lb.

Squill.—Four cases of good pale sold without reserve at $2\frac{1}{4}d.$, and for fourteen bags of yellow to brown 1*d.* to $1\frac{1}{2}d.$ per lb. was paid.

Tamarinds.—Seventeen barrels of low black E.I. mass sold without reserve at 8*s.* per cwt.

Tonka Beans.—A bag of ordinary partly foxy Para, all that offered, sold at 9*d.* per lb.

Wax, Bees'.—Jamaica was barely steady, 9 barrels selling at from 7*l.* 10*s.* to 7*l.* 15*s.* per cwt. as to quality. Five bales fair East African block of uneven colour sold at 5*l.* 17*s.* 6*d.* and a bag of low at 90*s.* per cwt. Six packages Cape sold at from 7*l.* 7*s.* 6*d.* to 7*l.* 10*s.* per cwt. for bright pale yellow; 18 packages fair, slightly mixed Madagascar realised 6*l.* 15*s.*, and 2 packages remelted were taken at 6*l.* 15*s.*

## London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of April 1908, and to the stocks on April 30.

| — | April | | Stocks | | 1908 | |
|---|---|---|---|---|---|---|
| | Landed | Delivd. | 1908 | 1907 | Imprtd. | Delivd. |
| Aloes..... cs, etc. | 67 | 121 | 155 | 208 | 409 | 518 |
| ,, ..... gourds | — | 167 | 1,371 | 179 | 472 | 652 |
| Aniseed, star .....cs | — | — | — | — | 1 | 1 |
| Arrowroot .....pkgs | 2,030 | 824 | 8,355 | 5,759 | 6,085 | 3,492 |
| Balsams ... cks, etc. | 84 | 24 | 416 | 503 | 153 | 244 |
| Calumba ..... bgs | 2 | 43 | 197 | 204 | 5 | 317 |
| Camphor..... pkgs | 1,039 | 1,223 | 1,620 | 2,526 | 3,221 | 4,316 |
| Cardamoms ,, | 151 | 371 | 1,520 | 2,222 | 1,031 | 1,268 |
| Cinchona..... ,, | 426 | 234 | 4,497 | 4,864 | 1,262 | 1,736 |
| Cocculus indicus ,, | — | — | 17 | 100 | — | — |
| Cochineal ..... ,, | 59 | 45 | 683 | 440 | 196 | 139 |
| Cubebs ..... bgs. | — | — | 188 | 476 | — | 5 |
| Dragon's-blood cs. | — | 10 | 59 | 76 | 43 | 45 |
| Galls..... pkgs. | 529 | 190 | 2,265 | 1,870 | 1,040 | 820 |
| Gums— | | | | | | |
| Ammoniacum ,, | — | — | 10 | 24 | — | 1 |
| Animi ..... ,, | 109 | 72 | 291 | 131 | 362 | 265 |
| Arabic ..... ,, | 813 | 843 | 5,099 | 7,781 | 2,128 | 3,835 |
| Asafetida..... ,, | 111 | 42 | 397 | 282 | 276 | 228 |
| Benzoin ..... ,, | 73 | 155 | 440 | 998 | 359 | 622 |
| Copal..... ,, | 2,659 | 3,026 | 15,567 | 13,605 | 13,528 | 14,811 |
| Damar ..... ,, | 314 | 528 | 2,194 | 2,283 | 2,028 | 2,300 |
| Galbanum ... ,, | — | — | — | — | — | — |
| Gamboge..... ,, | 5 | 16 | 74 | 60 | 53 | 54 |
| Guaiacum ... ,, | — | — | 41 | 55 | 8 | 9 |
| Kauri ... tons net | 66 | 96 | 654 | 1,091 | 514 | 487 |
| Kino..... pkgs | — | 3 | 52 | 45 | — | 8 |
| Mastich ..... ,, | 11 | — | 11 | 18 | 12 | 2 |
| Myrrh, E.I. ,, | 74 | 13 | 350 | 325 | 280 | 143 |
| Olibanum ... ,, | 111 | 172 | 1,264 | 1,901 | 634 | 442 |
| Sandarac ..... ,, | — | 97 | 399 | 432 | 506 | 411 |
| Tragacanth... ,, | 1,615 | 817 | 5,458 | 4,763 | 5,176 | 3,903 |
| Ipecacuanha— | | | | | | |
| Cartagena ... ,, | 1 | 10 | 49 | 90 | 32 | 38 |
| E.I. ("Johore") ,, | — | 8 | 32 | 27 | 43 | 66 |
| Matto Grosso ,, | 5 | 13 | 43 | 73 | 42 | 71 |
| Minas ..... ,, | 2 | 7 | 41 | 68 | 3 | 36 |
| Jalap..... bls. | — | 11 | 14 | 1 | 22 | 30 |
| Nux vomica ....pkgs. | 275 | 262 | 475 | 191 | 843 | 388 |
| Oils— | | | | | | |
| *Aniseed, star... cs. | 10 | — | 31 | 32 | 30 | 20 |
| *Cassia..... ,, | — | 4 | 46 | 49 | 70 | 47 |
| Castor..... pkgs | 112 | 100 | 397 | 228 | 531 | 538 |
| Coconut .... tons | 214 | 115 | 456 | 223 | 817 | 644 |
| Olive.....pkgs. | 745 | 439 | 1,787 | 1,098 | 1,470 | 1,092 |
| Palm ..... tons | 3 | 1 | 6 | 6 | 3 | 8 |
| Quinine ..... lb. | 1,875 | 2,117 | 212,329 | 227,395 | 4,999 | 13,390 |
| Rhubarb ..... cs. | 35 | 64 | 448 | 159 | 144 | 269 |
| Sarsaparilla..... bls. | 111 | 117 | 210 | 174 | 382 | 376 |
| Senna ..... pkgs. | 83 | 374 | 4[illegible]3 | 1,103 | 916 | 1,262 |
| Shellac.....cs. | 7,734 | 3,430 | 32,523 | 12,039 | 21,396 | 13,790 |
| Turmeric.....tons | — | 21 | 291 | 235 | 57 | 97 |
| Wax— | | | | | | |
| Bees'.....pkgs. | 208 | 276 | 1,269 | 1,999 | 1,090 | ,755 |
| Vegetable..... ,, | — | 87 | 202 | 165 | 215 | 258 |

* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

## Soudan Acacia.

In the annual report on the finances, administration, and condition of Egypt and the Soudan for 1907, by Sir Eldon Gorst, reference is made to the fact that the bridging of the Blue Nile at Khartoum will facilitate the extension of the railway into the fertile district of the Gezira; the work is now well in hand, and should be completed within two years. In all probability the main line, turning in the direction of the White Nile, will eventually be extended towards El Obeid, and will thus penetrate to within easy reach of the extensive gum-forests of Kordofan. Sir R. Wingate, the Governor of the Soudan, writes that the gum-crop last year was an excellent one, and good prices were obtained. Every effort is being made to strengthen the position of the gum-trade by affording transport and handling facilities, and by instituting researches to discover whether the nature of the present crop can be improved and new gums developed. The exports during the past five years (in cantars) are as follows: 1907, 204,961; 1906, 162,000; 1905, 158,000; 1904, 262,572; and 1903, 191,214 (cantar=100 lb.). The 1907 exports were valued at E.127,000*l.* (an increase of E.40,000*l.*), this being the amount published in the Soudan Customs Returns as having passed through Suez in transit.

OF THAT THERE IS NO MANNER OF DOUBT.—"Enclosed please find 10*s.* subscription for the *C. & D.*," writes a Belfast pharmacist. "I look upon it as a bargain at the price."

# Society of Chemical Industry.

## LONDON SECTION.

AT the meeting of this Section, held in the rooms of the Chemical Society, Burlington House, on Monday, May 4, at 8 P.M., the programme was exceptionally long and one or two of the contributors did not treat their subjects on the inverse proportion principle, so that it was fully half-past ten before the Section adjourned until June 1. Dr. Julius Lewkowitsch was in the chair, and there was a good attendance. The papers consisted of the following:

1. The Manufacture of Sodium Nitrite, by Dr. G. T. Morgan.
2. On some Simple and Mixed Esters of Cellulose: the Alkaline Decomposition of Nitro Derivatives of Cellulose and other Carbohydrates, by Dr. Watson Smith, jun.
3. The Mechanism of Filtration, by Mr. E. Hatschek.
4. Metanil Yellow: its Use as a Selective Indicator, by Mr. E. Linder, B.Sc.
5. The Conversion of Oleic Acid into Candle Material—II., by Dr. J. Lewkowitsch.

Dr. Morgan occupied forty minutes in reading his paper. He dealt first with the manufacture of sodium nitrite by fusion of sodium nitrate with molten lead. This has been the manufacturing process for the past twenty or thirty years, and Dr. Morgan's remarks referred chiefly to precautions that have to be observed in carrying it out. He stated that the nitrate used must be free from iodate, and after the reduction is complete the fused mass, in which litharge (with a little red lead) has deposited, is poured into warm water, at which stage a little sodium plumbite and sodium hydrate is apt to be formed, but is prevented by the addition of a little free nitrous acid to the water, which neutralises the hydrate and decomposes the plumbite and deposits lead hydroxide. Dr. Morgan next dealt with the recovery of the litharge—his conclusion being that the best plan is to reduce it to the metal in a blast-furnace. Other methods of reducing the nitrate to nitrite were then discussed. Graphite has also been used as a reducing agent, and Read, Holliday & Co. use sulphur. In the latter sodium nitrate (in the proportion of three molecules) is fused with one each of sodium hydrate and sulphur—the result being one molecule of sodium nitrite, one of sodium sulphate, and one of water. The process is not free from danger, however, as the addition of sulphur to the molten mass of nitrate and hydrate frequently results in an explosion. Dr. Morgan described methods to prevent this, also how the nitrite is separated from the sulphate by crystallisation. In succession he described methods of producing sodium nitrite by means of carbon monoxide, sulphites, sulphides (including stibite and barium sulphide), nitrous fumes, and the interaction of calcium nitrate and sodium sulphide and sulphite (two molecules of calcium nitrate, one of sodium sulphide, and two of sodium sulphite), but only 60 per cent. of the theoretical yield is obtained. There was no discussion on this paper.

Dr. Watson Smith, jun., had a hearty reception when he rose to read his paper, which was a digest of his Doctor of Philosophy thesis (Zürich). The action of acid-mixtures containing acetic anhydride and nitric acid, with and without the addition of concentrated sulphuric acid as a dehydrating agent, was investigated. Pure nitro-celluloses and aceto nitro-celluloses were in this way prepared. Pure acetyl nitrate acts on cellulose with the production of nitro-celluloses containing a high percentage of nitrogen. Acetyl nitro-celluloses were obtained by the action of acetic anhydride and sulphuric acid on nitro-cellulose. These new bodies give well-characterised compounds with phenylhydrazine. One group of products dissolves in acetone and acetic ether, leaving a tough residue which contains 4 per cent. of nitrogen and is not much more inflammable than acetyl-cellulose, so that it may be of technical importance, as it appears to have the advantageous properties of celluloid without being so highly inflammable. The author also described results which show that a close relationship exists between cellulose, glucose, and levulose.

Mr. Oscar Guttmann congratulated the author on his first appearance as an investigator.

The way was now clear for Mr. Hatschek, whose communication on "Filtration" was really the paper of the

evening and was listened to throughout with absorbing interest. The author first explained that filtration means the passage of the liquid portion of a mixture of liquid and solid through a porous medium. In the nature of things the solid particles contained in the mixture tend to obstruct the pores. By means of a model of a porous septum and small bagatelle-balls he showed that—taking a ball to be the equivalent of a solid particle—it does not completely close a triangular pore, and it could be seen from another model containing two layers of balls that the additional layers do not necessarily increase the resistance to the passage of the liquid. By means of diagrams and geometric formulæ, Mr. Hatschek made perfectly clear the principles of filtration and the conditions which have to be obviated and the means which increase filtration. His remarks had reference chiefly to filter-presses and to the separation of liquids from chemical precipitates. The structure of the solid deposit on the filtering surface was shown to be determined by the flow of the liquid into the latter, and to be independent of the pressure, which therefore does not affect the percentage of voids. Substantially, the discourse amounted to the recommendation to examine microscopically any precipitate which proves refractory. By means of slides he demonstrated the membranous nature of precipitates of copper ferrocyanide and aluminium hydroxide, and showed that by careful attention to the strengths of solutions and the temperature of mixing, such precipitates as calcium carbonate and barium sulphate may be obtained amorphous or in small crystals or large crystals—the first retarding filtration and the last being most favourable to the process. The communication is one that should be of great service to manufacturers, and the fact was testified to by Mr. Thomas Tyrer, Dr. Divers, Mr. Corcoran, Dr. Watson Smith, and Mr. Guttmann. In his reply to the discussion the author mentioned the curious fact that if a water-mixture of the lactic bacillus and yeast is treated in a cloth filter, very little of the bacillus goes through; whereas in a mixture of the bacillus and water nearly all goes through the filter.

At this stage half the members present left the meeting, and they missed a good deal, for what followed was not only interesting but valuable. Mr. Linder's paper was to this effect: If ordinary white filtering papers are dipped into a 1-per-cent. solution of metanil yellow and dried, the resulting paper is a splendid indicator for the presence of mineral acids, detecting as little as a single drop of thousandth-normal acid. Placed on the centre of the paper it gives a red-violet spot, and when it is dried at 80° to 90° C., the spot becomes dark blue. The paper is not affected by acetic acid, chlorine, sulphur dioxide, or sulphuretted hydrogen. The presence of mineral acids in vinegar is readily detected. The paper is sufficiently sensitive to give an approximately quantitative result by spotting with acid solutions of different strengths. It detects the acids as fumes—*e.g.*, in the gases given off from chemical processes as little as 0.016 of hydrochloric acid per cubic foot is detected. Mr. Linder is assistant to Mr. Forbes Carpenter (chief inspector of alkali works), who spoke on the value of the test, as did Mr. F. N. Sutton.

Mr. Grant Hooper took the chair while Dr. Lewkowitsch made his communication. He had been engaged for many years in endeavouring to convert oleic acid into stearic acid, but eleven years ago he had to set the work aside. Since then he had found—especially when visiting Chicago two years ago—that others had started where he left off and had produced hydroxystearic acid to the extent of 80-per-cent. of the theoretical amount, and it has been used in candle-making. More lately, consequent upon the researches of Sebatier and Senderens in 1902, a catalysis process has yielded splendid results, and Dr. Lewkowitsch showed the meeting two specimens of stearic acid made in his own laboratory from oleic acid, the yield being 98 per cent. of the theoretical amount.

## MANCHESTER SECTION.

A Meeting was held at the Grand Hotel, Manchester, on May 1, under the chairmanship of Mr. R. H. Clayton. The first paper was on the

International Congress of Applied Chemistry,

by Mr. W. F. Reid (Vice-President of the Society), who had been deputed by the Joint Committee which is organising the Congress to explain the objects of such Congresses to the members of the Section and to enlist their support. After a brief sketch of previous Congresses and of the work which they had done, some particulars were given of the preparations already in progress for the Congress which is to meet in London on May 27, 1909. Among the items of a programme, which is at present provisional only, may be mentioned that it is proposed to hold the banquet at the Crystal Palace, and that four general lectures will be delivered, one in each of the official languages of the Congress—English, French, German, and Italian. In addition to the presidents of sections whose names were mentioned in our report of the recent meeting of the Liverpool Section of the Society, the following names were mentioned: Dr. Ludwig Mond, as President of the Inorganic Chemistry Section; Lord Blyth, President of Agricultural Chemistry; and Sir William Abney, President of Photographic Chemistry. Mr. Reid laid much stress on the advantages of making the personal acquaintance of men eminent in the various branches of industrial chemistry, and, from the repeated reference to this subject in the discussion which ensued, it is evident that many members of the Manchester Section are looking forward with pleasure to the coming opportunity of meeting their colleagues from other lands. After a sympathetic debate it was decided to form a Local Committee to further the aims of the Congress, such committee not to be limited to members of the Society of Chemical Industry. The next paper was on the

Corrosive Action of Magnesian Waters

in Steam-boilers and the Distillation of Sea-water, by Dr. J. Grossmann. In carrying out his experiments Dr. Grossman employed a new method, which has the advantage over previous ones that a larger surface of steel is acted upon by the water under examination. The steel is employed in the form of bright wire, and the heating takes place in a bronze autoclave with a porcelain liner, so that the water is not acted upon by the metal of the containing vessel. The lengthy discussion which ensued showed that the subject was one that interested a large number of those present.

The final paper was by Dr. P. D. Zacharias on

Tanning with Aniline Colours

and the Theory of the Tanning Process. A summary of the work of Dr. Zacharias was given by Dr. Hübner (Secretary of the Section), in the absence of the author, and from this it appeared that good leather may be made from hide treated with aniline colours alone, without the assistance of any other tanning agent. A number of samples of coloured leather accompanied the paper, and these were favourably commented upon; but the general opinion appeared to be that the cost of the process would be too high, although the facts mentioned by the author were of great scientific interest and might assist in throwing light upon an industry in which rule of thumb still largely prevails.

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Grecian Olive Oil.—Writing in regard to olive oil, H.M. Consul at Patras states that notwithstanding an abundant yield in the Morea district during 1907 the export was almost *nil*, as local consumption absorbed practically all the production at prices far above what foreign markets can afford to pay for industrial purposes. Besides, as one year of plenty in olive oil is invariably succeeded by a lean one, local speculators lay in stock when the oil is plentiful and comparatively cheap, and are able to realise a handsome profit during the succeeding season (see also *C. & D.*, May 2, p. 668).

Chemicals at Nantes.—Among the imports into Nantes last year were 4,610 tons of chemicals from the United Kingdom, as compared with 6,700 tons in 1906 and 10,842 tons in 1905. Nitrate of soda from Chile declined by 10,000 tons to 13,000 tons, and of phosphate of lime from Algeria, Tunis, and the United States the imports were 156,221 tons, or 38,500 tons more. Many cargoes of phosphate are brought to Nantes by British steamers; formerly it was largely imported from the United States, but Algeria and Tunis are the main sources of supply. At Nantes it is converted into superphosphates, the sulphuric acid used for this purpose being manufactured on the spot with sulphur from pyrites imported from Spain.

# CORRESPONDENCE

TO CORRESPONDENTS.—Please write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with the arguments or approval of the statements therein. If queries are submitted, each should be written on a separate piece of paper. We do not reply to queries by post, and can only answer on subjects presumably of interest to our readers generally. Letters received after the early posts on Wednesday cannot as a rule be dealt with in the current week's issue.

BUSINESS INFORMATION.—We have very full records of the makers or agents for articles and products connected with the chemical and drug trades, and supply information respecting them by post to inquirers. Inquiries regarding any articles which cannot be traced in this manner are inserted under "Information Wanted."

### Cod-liver Oil in Cattle-condiments.

SIR,—"Oleum" (171/23) will not find that condiment containing an appreciable amount of cod-liver oil a satisfactory article. The oil, as is well known, is peculiarly susceptible to change, and in the form of condiment often develops a peculiar pungent odour not at all acceptable to man or beast. He will, I am sure, find that the best way to administer this most valuable article is with the food of the cattle as required, and to this end the instructions and hints as under will be helpful:

For stock-feeding fat of some kind is essential, hence the value attached to oil-cakes. Cod-liver oil is not only a valuable food, but has most important medicinal properties, and is a safeguard against many pulmonary diseases to which cattle are subject, while as a fattener it is unequalled. Always mix the cod-liver oil thoroughly with the food, preferably overnight (for the morning's feed).

2 oz. twice daily is enough for horses, cows, and full-grown beasts.

1 oz. twice daily for calves and young stock.

Do not reduce the quantity of ordinary food.

If beans, barley, or peas are given in the shape of meal mix a little chaff with it, as the addition of the oil would otherwise make it pasty. Young pigs thrive well on cod-liver oil, 1 oz. twice daily; but stop its use a short time before killing or there will be trouble with the pork butcher and his customers, who will not care to take cod-liver oil second-hand with their meals. If the oil is given up to the day of death the flesh, especially of young animals, may taste a bit fishy.

Yours faithfully,

Sutton Coldfield, May 1. WM. BOUSFIELD.

### Chlorodyne Lozenges.

SIR,—With reference to there being a recognised standard for chlorodyne, I would point out that in well-known wholesale druggists' lists such quotations as the undermentioned appear:

*Chlorodyne*, per lb.
*Chlorodyne* (*Alb.*), per lb.
*Chlorodyne* (*sine morph.*), per lb.

In the face of this I do not see how it can be contended that there is any "standard." Yours faithfully,

Liverpool, May 1. H. JACKSON.

### Our Students' Corner.

SIR,—I was very pleased to read in THE CHEMIST AND DRUGGIST that I had been awarded the first prize in this year's analytical tournament. The first *C. & D.* salt which I analysed was at the beginning of last year's tournament, having then finished testing for bases and acids and analysed a few simple salts. The exercises did me a great deal of good, and made me take a great interest in my work, and the fact of coming out fourth in last year's tournament was a stimulus to try and do better this year. Perhaps a few words on my method of analysing will be of interest to future competitors. I always apply the preliminary dry tests to the substance, as much valuable information to the method of procedure in the wet analysis can thus be obtained. As only a small quantity of substance was sent, I made as many tests as possible with a small portion—for example, with a little of the substance tested for carbonate and sulphite by means of dilute hydrochloric acid. I used the same liquid for flame tests and then tested the remaining solution for a sulphate, and by this method of procedure it is possible to use a small quantity of substance for a great many tests, and after the analysis I had invariably some of the substance over. I also took great care that all the precipitate had come down in one group before proceeding to the next, and by using clean reagents and keeping the various solutions bright by filtering many errors are prevented. The time when I dropped this year obtaining eighty-four marks was due to dissolving starch out of the filter-papers which I used, and this in solution led me to a wrong conclusion.

Yours faithfully,

Bradford. EDGAR HILL.

SIR,—On conclusion of the analytical tournament, and having secured second prize in the summing up, besides having taken several first prizes in the monthly series for unqualified, I beg herewith to thank you and Dr. Dobbin for the kindness and patience shown towards me, and for the education in analytical chemistry which I have received, and for which I am greatly indebted. I hope one day I may be able to do something for THE CHEMIST AND DRUGGIST, even if it be a small service, and also for the craft in general if I shall have the opportunity.

Yours truly,

Mumbles. WERNER SIVERTSEN.

### What is a Tun-dish?

SIR,—I notice that a correspondent makes a tun-dish and funnel synonymous. This I know is the case in some parts of England, as also of Ireland; but I think a much better representation of the article is that used by farmers in the North Riding of Yorkshire some years ago—viz., a small powder funnel as found in all wholesale drug houses, devoid of a stem, and having instead a small rim. This was placed on the bunghole of a barrel while ale was fermenting, and the yeast rising into the dish was removed as occasion required. It is certainly much more of a dish than is an ordinary funnel. Yours truly,

ALPHA. (189/23.)

### Pharmacy in O.R.C.

SIR,—Writing in your issue of March 21 "An O.R.C. Chemist" says that chemists have the sole right to dispense in the Colony. This, I believe, is incorrect. Licences are issued to medical practitioners, giving the right to dispense medicines, at 15*l*, and to chemists, *ibidem*, at 10*l*. With your correspondent's letter otherwise I agree, as reflecting the sad state of the working of the Pharmacy Laws in Orange River Colony. In my dorp, general dealers are selling, *inter alia*, such articles as arsenic (under 3rd Sched., Div. 1), opium and preps., etc. (especially laudanum) (Div. 2), twelve poisonous Dutch medicines and a few patents (Div. 3). The doctors keep a good supply of sundries for their clients. With such an unhappy drift, is it any wonder that there is an absence of apprentices to the calling? A chemist in Bloemfontein tells me in a letter "There is not one apprentice in this city."

ANOTHER O.R.C. CHEMIST. (187/13.)

### Why Don't Businesses Sell More Readily?

SIR,—That question has again arisen. I am quite convinced that in the course of a few years, when the market in drug-shops has recovered from the effect of nearly 1,000 men being withdrawn from that market as buyers of shops, and who are now managers of branches engaged in making a trade for the branch in each town by taking it away from the draper and grocer (without inflicting any injury on the other chemists of a town), businesses will again be in good demand. The Society has poured in a surplus of men each year for the last ten years, and if they had all set up as ordinary chemists instead of going to the Stores we would have felt their competition much more than the competition of the Stores. If there had never been any big company branches then the grocers and drapers would have gone on increasing the ordinary patent and sundry drug lines (without employing qualified men), which, since the advent of branch shops, are now done by chemists themselves. Fifteen to twenty years ago chemists looked askance on the patent trade and everything that smacked

of commercialism; the grocers were eager to take it up, and I can well remember, opening a new branch for a limited company, how a grocer near by cut the prices against us on Pears' Soap, Clarke's Blood Mixture, and the like, keeping it up for years, until he gave up keeping patents altogether. During that time our nearest and strongest chemist competitor admitted that he had nearly quadrupled his business, so we had not taken anything much out of his pocket. The P.A.T.A. is a great bulwark: non-paying patents are still with us, but decreasing; packed goods and sundries pay well (*vide* Standard Tablet Co.'s advertisement, "A little Transaction with Boot's"), and you need not overload; seeds and wines pay well, and again no need to overload; photo and optics are doubtless profitable, but as they need special experience to make them really profitable, and as they are not an every-day demand, it seems safest to leave them alone until you first acquire the experience.

Drugs are the only part of your stock which I find give much trouble. All the big men buy at the keenest prices, and cut on lines like sweet nitre, tinct. rhei, and cascara, but I believe the frequent rises of the market are a distinct help to smaller men, because these sharp rises upset the big men and their undercutting and tend to level things up a bit. It is really wonderful how it comes right at the year's end if you only watch the expenses, prevent waste, and drips, and leaks, and have your place in such order that you can work with young labour. I have never regretted starting on my own, and would have done so years earlier had I been able to buy some of the places I looked at and offered for. Whatever time you begin you may reckon the first year, at least, is given up to acquiring experience you can never get as manager of any of the well-organised branches of a company. There you have no difficulties of rent, rates, taxes, and repairs: the buying of goods you are ignorant of. All I knew was the stock problem—the *pons asinorum*—and it has not only saved me from getting into debt for goods I could not sell, but made me very comfortable. I must see a cash balance at my bank at the end of each year's working. I won't have it in stock. Jay Mack.

## Dispensing Notes.

Boric Acid and Potassium Chlorate.

Sir,—Replying to your correspondent's letter referring to the action of chlorate of potash and boric acid, in several experiments I have completely failed to obtain the slightest trace of chlorine. Boric acid is a very weak acid, and I fail to see that any reaction takes place at all; in any case I should imagine it would be purely mutual, forming chloric acid ($HClO_3$) and potassium borate. Again, Mr. Robinson says he obtained the odour of chlorine by merely mixing the dry powders together, but, supposing chemical action did take place, it would not do so in the absence of moisture.

Yours faithfully,

630 Holloway Road, N. Samuel E. Amos.

## Legal Queries.

*Income Tax* (279/17).—Your best course in regard to the recovery of the Inhabited House Duty paid under protest is to address the Commissioners of Inland Revenue, Somerset House, London, W.C. Give full particulars and such corroboration as you can send by post.

*W. R. W.* (188/41).—A chemist who holds a wine and spirit licence must close the licensed premises at the public-house hours. See *C. & D. Diary*, p. 228.

## Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

*Sigma* (189/19) writes: "In your issue of April 18, p. 597, estimation of digitoxin (Vanderleed): 'Fifteen c.c. of solution of lead *sub*acetate (25 per cent.) . . .' is directed to be used. In the 'Pharmaceutical Journal' and in the 'Journal of the Society of Chemical Industry' lead-acetate solution is directed. I should be glad to know which is intended in the original." [Lead subacetate.]

*Scot* (258/8).—No doubt your retriever bitch is suffering from a form of alopecia, due to impaired constitutional vitality, nervous, digestive, or other forms. Internal treatment should consist in giving compound syrup of hypophosphites and cod-liver oil, with or without Fowler's solution. Externally try ung. chrysophanic. or—

| | | | | |
|---|---|---|---|---|
| Acid. carbolic. | ... | ... | ... | ♏x. |
| Zinci oxidi ... | ... | ... | ... | ʒij. |
| Ung. boric. ad | ... | ... | ... | ℥ij. |

M.

The treatment should be persevered in for some time.

## Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with C. N. Dalton, Esq., C.B., Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office.

(*From the "Trade-marks Journal," April* 15, 1908.)

"Maureen"; for goods in Class 48. By D. Brown & Son, Ltd., Main Street, Donaghmore, Dungannon, Tyrone. 301,085.

"Comprimella"; for goods in Class 48. By T. Christy & Co., 4 to 12 Old Swan Lane, London, E.C. 301,095.

"Suitalia"; for perfumery, etc. By A. E. Strother, 141 Elswick Road, Newcastle-on-Tyne. 301,213.

(*From the "Trade-marks Journal," April* 23, 1908.)

"Deddum"; for deodorisers, etc., in Class 2. By G. W. Tarver, Melwaters, Oulton Broad, Suffolk. 300,401.

"Coopic"; for a disinfectant for game-coops, etc. By J. F. Collin, 25 The Walk, Norwich. 301,098.

"Dr. Mampe's Bittere Tropfen," and label device; for medicinal bitters. By F. J. Mampe, 4 Grosser Wall, Stargard, Pommern, Germany. 295,186.

"Vertona"; for a medicated beverage. By E. Crothall, 19B North Street, Romford, Essex. 298,986.

"Peps," for cough-pastilles in Class 3; and "Zambuk," for products in Class 3. By C. E. Fulford, Ltd., 15 Greek Street, Leeds. 299,673, 299,674.

"Mareosol"; for a chemical in Class 3. By T. Fiedler, Schickert's Hotel, Nervi, Italy. 299,495.

"Fluenzol"; for a medicine. By W. A. Sinclair, 7 King's Parade, Church End, Finchley. 300,912.

"Pearlene Crême"; for an ointment. By C. Burdett & Co., 42 Vicarage Road, Camberwell, London, S.E. 299,707.

"Hepatisal"; for chemicals in Class 3. By Brady & Martin, Ltd., Northumberland Road, Newcastle-on-Tyne. 300,924.

"Kan-Tona"; for a medicinal preparation in Class 3. By the Kankure Herbal Remedies Co., Ltd., 99 Normanton Road, Derby. 300,996.

"Sulfidal"; for colloidal sulphur and preparations made therefrom. By Chemische Fabrik von Heyden Aktienges, 57 Leipzigerstrasse, Radebeul, near Dresden, Saxony. 301,079.

"Cancine"; for goods in Class 3. By Mary A. Greenway, Waterworks House, Waterworks Road, Barbourne, Worcester. 301,087.

"Tannobromin"; for chemicals in Class 3. By Aktien-Gesellscraft für Anilin Fabrikation, an der Treptower Brück, Berlin, Germany. 301,275.

Circular label device of monogram "L. H. & S."; for chemicals in Class 3. By Lofthouse & Saltmer, 12 Market Place, Hull. 301,686.

"Chyno"; for china-clay. By H. D. Pochin & Co., Ltd., 11 Worsley Street, Salford, Manchester. 300,648.

"Premier" (brand), and flower-spray device (no claim for "Premier"); for goods in Class 42. By A. R. Lorimer, 20-21 Lawrence Lane, Cheapside, London, E.C. 293,826.

"Strenvig"; for beef-extract. By the Liebig Medicated Wine Co., Ltd., 31 Lord Street, Huddersfield. 300,377.

"Motosope"; for a hand-cleansing paste. By C. C. Broad, Cecil Lodge, Avenue Road, Great Malvern, Worcester. 300,547.

"Nameloff"; for detergents in Class 47. By the County Chemical Co., Ltd., Excelsior Works, Moor Street, Birmingham. 300,914.

# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MAY 9, 1908.


**PUBLISHER'S NOTICE TO ADVERTISERS.**

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS, and to ensure the due insertion of the announcements the remittances must accompany the instructions.** A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

# THE LOOK OUT

**IS BRIGHTEST FOR THOSE IN PHARMACY AND THE DRUG TRADE WHO ADVERTISE THEIR WANTS IN THE C.&D SUPPLEMENT.**

*It pays to pay to advertise in The C.&D. Supplement.*


# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

**May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.**

1.—AMDEN TOWN.—Good-class Business, Retail and Dispensing; retu, present rate, £900; scope for increase; well-appointed shop; large residence; rent moderate; price £550, for which full value is offer.

2.—ICTORIA STATION (Near).—Lock-up Pharmacy, Retail and Disp ing; returns £1,200, increasing; *profits above the average*; attra ve shop, well fitted and fully stocked; price £1,000.

3.—ONDON, E. (Main Thoroughfare).—Cash Retail and Prescribing B iness; established many years; returns under assistant £1,000; large ope for extended trade; terms simply the value of stock and fixtu.

4.—ONDON (Northern Suburb).—Modern Pharmacy; practically unop ed; returns £700; *gross profit* £250; comfortable residence, with le entrance; price £600, estimated value of stock and fixtures.

5.—TY (within easy distance of).—Old-established Business, situat n busy thoroughfare; corner position; returns about £1,200, at fai rices; attractive, well-fitted shop; good house; held on lease; price 00.

6.—NDON, S.E. (Busy Thoroughfare).—Ready-money Business, Retail Prescribing, and Photographic; returns about £1,100 yearly; *gross* ofit £400; to effect a speedy transfer the sum of £400 will be accept ; worth attention.

7.—OXFORD CIRCUS (Near).—Dispensing and Retail Business; all first-class trading; returns £1,200, increasing; *gross profit about* 50 *per cent.*; price £300, or valuation terms can be arranged.

8.—SOUTH COAST (Fashionable Health-resort).—Dispensing and Retail Business; established 1864, and held by vendor many years; returns about £738 (average); *net profit* £330 (proof given); terms, lease and goodwill, £250; stock and fixtures at valuation.

9.—ESSEX (Market Town).—Well-established Business, Retail, Dispensing, Photographic, and Optical; returns over £1,000 per annum; price about £575.

10.—HOME COUNTY.—Mixed Business; returns last year £2,339; *gross profit* 30 *per cent.*; attractive shop, situate in the centre of town; rent £60, which includes a good residence; price £1,300.

11.—SUSSEX (Health-resort).—Death Vacancy.—Good-class Business, Retail and Dispensing; returns £673; *gross profit* 50 *per cent.*; modern fitted shop, single-fronted; terms simply the value of stock and fixtures.

12.—KENT COAST.—General Retail, Prescribing, Dispensing, and Photographic trade; returns last year £700, increasing; *net profit about* £200; small residence; rent £32; held on long lease; price £475.

13.—FOLKESTONE (Near).—Retail and Prescribing Business; returns £750, and yielding a *net profit of* £250; price £575.

14.—WESTERN COUNTY.—Old-established Business. Family Retail, Dispensing, and Photographic; returns about £600 yearly, at fair prices; price £500.

**Particulars of any of the above will be furnished on application.**

**N.B.—NO CHARGE TO PURCHASERS.**

## VALUATIONS FOR STOCKTAKING.

**Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.**

**Messrs. O. & Co. are prepared to undertake these essential duties and will make Special Terms for such services.**

**ORRIDGE & CO. 56 LUDGATE HILL, LONDON, E.C**

# BRETT & CO.

## VALUERS,

## 8 WEST ST., LEICESTER.

**Telegrams, "Brett Leicester." Telephone 160 Y.**

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

MIDLANDS.—General Mixed Retail; big sale of Oils and Colours; fine position in large town; good premises; house used in business; returns £2,375; price at valuation, about £1,400.

DEVON.—General Retail, Prescribing, and Dispensing; several very good own Preparations; good shop and in fine position of a seaside town; exceptionally profitable; returns £905; net profit £458; price £725; genuine bargain.

YORKS.—Light middle-class Retail, Dispensing, and own preparations; good house and nice shop in a busy seaside resort; very profitable; returns £675; price £550.

YORKS.—Middle-class and working-class Cash Retail; good house and shop; very old-established; returns £1,050; price £250; a bargain.

LANCS.—Light Retail, Prescribing, and splendid own Proprietaries; Cash trade; no keen cutting; shop is large and splendidly fitted, and the finest position in the town; returns last year £1,360; price, stock and fixtures at valuation, about £850.

KENT.—Mixed Retail, Prescribing, and Photo, on the coast; returns £700; good season trade; old-established; long lease; worth prompt attention; price £475.

LINCS.—Light General Retail and Photo goods, in main street of busy town, returning under manager £1,400; price, at valuation, about £800; only wants seeing.

STAFFS.—Good General Mixed, Family, Retail; good shop and convenient house; returns £800 under manager; price only £225; a bargain.

MIDDLESEX.—Nice Light Retail, Dispensing, Prescribing, and good Photographic trade; established by vendor 15 years; comfortable house and nice shop; returns £600; very profitable; price £200; a great bargain; ill-health sole cause of sale.

# PARSON C. BAKER

## 174 VICTORIA ST., LONDON, S.W.

*Recommended by*—MESSRS. BARRON, HARVEYS & CO
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

1.—LONDON, N. (good-class Residential Suburb).—Well-established Retail and Dispensing; good opening for Dental and Optical work; sound progressive business; now returning about £1,360; modern double-fronted shop, well fitted, and with ample working stock; good house and garden; lease at moderate rental; small goodwill and valuation; strongly recommended as a genuine business proposition.

2.—KENT (best position in good town).—Commodious shop, with extensive warehouse accommodation; every facility for doing a large business, for which there is ample scope; good house and large garden; valuation terms only.

3.—LONDON, S.W.—Mixed Retail and Prescribing, at good prices; few Patents; unlimited scope for energetic man; fine corner position with good house; returning about £500; rent £45 (let off £18); price £150.

4.—LONDON, W.—Old-established Retail, Prescribing, Dentistry, Photo., and Optics; returns average £1,100; 12 years' lease at £100, let off £40; price about £570.

# SALES BY AUCTION

Have you a Shop Stock or Fixtures to offer by Auction? Then place the matter with us. The **Only Firm** of specialised **Chemists' Auctioneers** in the trade. We touch no other business.

The ordinary Auctioneer as a rule cannot realise more than 20 or 25% at the most of the actual value of a chemist's stock simply because he doesn't know what he is offering. We have known a Winc. of Bals. Copaibæ sold for 2*d*., and other instances of a similar nature through being offered by inexperienced Auctioneers.

Our fees are no higher than the other man's, and we put you 50% more money in your pocket. Write us immediately.

**JACKSON & COMPANY, Chemists' Auctioneers,**
***16 Stratford Avenue, ROCHDALE.***

# MESSRS. BERDOE & FISH,

## *Chemists' Valuers and Transfer Agents,*

## 35 JEWRY STREET, FENCHURCH STREET, CITY.

**TELEPHONE: 1809 CENTRAL**

**Have the following Businesses for Disposal. (No charge to Purchasers.)**

1.—HOME COUNTY (Market Town).—Good-class Cash Retail, Dispensing and Prescribing Business; returns £2,250; entirely under management; plenty of scope; handsome Pharmacy, in excellent position, and fully stocked; price £1,750.

2.—SOUTH COAST.—Good-class Retail, Dispensing, and Prescribing Business; returns about £750; very good profits; splendid position; opposition weak; modern pharmacy, well fitted and stocked; price £500.

3.—SOUTH-WEST COAST.—Good-class Light Retail, Dispensing, and Prescribing Business in small seaside town; returns £620; net profit about £200; good house; modern-fitted shop, well stocked; price £25 and valuation.

4.—BANKS OF UPPER THAMES.—Good-class Retail and Dispensing Business, in best position of good residential town; returns £1,000; net profit £300; attractive pharmacy; exceptionally well fitted and stocked; price £750.

5.—SOUTH-EAST COAST.—Light Family Retail and Dispensing, with Photographic trade; returns average over £1,000; net profit about £250; central position; low rent; price £600, less than valuation.

6.—HERTS (Market Town).—Good-class Family Retail Business; returns nearly £700, increasing; good position; low rent; modern-fitted shop, well stocked; price £430.

7.—SURREY (Suburb).—Good-class Retail and Dispensing Business, in finest position of good residential locality; returns £850; can be made do £1,200; very handsome shop, fully stocked; price £700, or offer; personally inspected.

8.—LONDON, N.W.—Light Retail, Prescribing, and Dispensing Business; returns £1,250; net profit £391; low rent, on lease; well-fitted shop, fully stocked; good reasons for selling; price £1,000 or offer.

9.—LONDON, N.—Light Family Retail and Dispensing, with own syphon trade; returns nearly £900 under manager; scope for increase; corner position; splendid house; price £560.

10.—MIDLANDS (Charming Health Resort).—High-class Dispensing and Retail Business; elegantly fitted shop; unique position and heavily stocked; splendid house; stock and fixtures worth £1,000, price £1,200 or reasonable offer; personally inspected.

11.—YORKSHIRE.—Light Retail, Dispensing, and Prescribing Business, in splendid position in an important town; returns £2,000, with room for increase; very convenient premises; large, well fitted shop and heavily stocked; price about £1,250.

12.—COUNTY DURHAM.—Sound Mixed Retail Business with Wines and Spirits; returns £600 under management; scope for increase; fine corner premises; main-road position; large house; price £350, or valuation.

13.—MANCHESTER (Near).—Light Cash Retail, Prescribing, and Dispensing Business, in small town; returns £630; net profit about £180; convenient house and shop; low rent; price £365; simply valuation.

14.—CAMBRIDGESHIRE. — Old-established Mixed Country Retail Business, in small market town; returns £473; plenty of scope; low rent; good house and garden; price £275, or valuation.

15.—WILTS (Small Town).—Good-class Family Retail; easily worked; returns over £500; no cutting; net profit nearly £200; good house and splendid garden; price £450, little more than valuation.

16.—LEICESTER.—Light Retail and Dispensing; returns £8 week; very few Patents; scope for much increase; low rent; attractive shop, well fitted and stocked; price £130, or offer.

17.—LONDON, S.E.—Good-class Suburban Retail Business; returns £20 weekly; splendid corner position; main road; rent £65; good house and shop; price £400 cash; a bargain.

18.—LONDON, W. (Few Miles out).—Cash Retail, Prescribing and Dispensing with own specialities; returns £625; good profits; low rent; convenient house; price £400, about valuation; part cash, remain; personally inspected.

**BUSINESSES WANTED.**

MESSRS. BERDOE & FISH having recently disposed of a large number of businesses, are in immediate want of sound concerns, returning from £750 to £3,000 for cash purchasers still unsuited; also a first-class business in London or Provinces showing net profit of £500 to £800 per annum. Correspondence invited, terms sent on application.

**J. G. BERDOE established the firm in 1870, and W. S. FISH was apprenticed to him in 1877.**

**TOMTOM**

Telegraphic Address.

**THOS. TOMLINSON & SON,**
Chemists' Valuers and Expert Stocktakers,
Businesses transferred privately.
29 NEW CANNON STREET, MANCHESTER.

**Valuations for Sale, Purchase, Probate, and Stocktaking**
UNDERTAKEN ON REASONABLE TERMS BY
***H. P. ALEXANDER, Licensed Valuer***
. . . FOR . . .
**R. BLACKIE,** Shen. Works, **Tower Bridge Road, LONDON, S.E.**
*Businesses Wanted and for Sale.*
*Employers' and Assistants' Engagements Undertaken.*

**North of England Transfer Agency**
**FRED^K. W^M. SMITH,**
CHEMISTS' VALUER,
***3 BELGRAVE TERRACE, LEEDS,***
has always a number of good Businesses for Sale, also Clients open to Purchase good, sound concerns. Strict secrecy. Correspondence solicited. Valuations for Transfer, Probate, and Stocktaking on reasonable terms.

## TO SUBSCRIBERS ABROAD.

**We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.**

# BUSINESSES FOR DISPOSAL.

**3*s.* 6*d.* *for* 50 *words or less;* 6*d.* *for every* 10 *words beyond, prepaid.***

**NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.**

## COLONIAL BUSINESSES.

**We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.**

DERBY.—Good-class Business for Disposal; returns about £500; rent £27 clear; price £200. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

DERBYSHIRE (Small Town, Buxton District).—Sound, old-established Family Business; shop and premises in excellent condition; most convenient house, side entrance, with nice garden, greenhouses, out-buildings, etc.; returns £1,100; very profitable; number of own Proprietaries; owner retiring, and would give lease on premises. Apply, "Peveril" (5/38), Office of this Paper.

DOVER.—For Sale, Chemist's Business, in good position; old-established; capable of development. Apply to Messrs. Worsold & Hayward, Valuers, Market Square, Dover.

GREAT YARMOUTH.—Chemist's Business, Dispensing, Light Retail, and Photographic; established over 80 years; central position; capital required about £1,000. Apply, Lovewell Blake & Co., Chartered Accountants, Great Yarmouth.

KENT.—For immediate Disposal (proprietor's illness cause of sale), genuine Chemist's Business; established over 100 years; rent, with let off, £54; price all at £450, which is a bargain; bona fide purchasers only dealt with. Apply, "E. R." (270/18), Office of this Paper.

KENT COAST.—Genuine old-established Dispensing and Prescribing Business for Sale, with scope for increase in Photographics; well-stocked and nicely fitted shop, on sea-front; commodious house; excellent store and cellarage, also greenhouse; rent £65; returns about £700, at good profits; good postal connection for several own Specialities. 4/20, Office of this Paper.

KING'S CROSS.—Old-established Retail and Prescribing Business; lately neglected, but can be worked up. Apply, A. Davis, 27 Deerbrook Road, Norwood Road, S.E.

LIVERPOOL.—Genuine Light Retail Cash Business in thickly populated neighbourhood; returns over £500; rent £45; house can be let off at £26; price £200 cash. "M.P.S.," c/o Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

LIVERPOOL.—Branch Businesses (each well stocked and in excellent order).—(1) Light Retail, some Prescribing and Photographic; returns £611; good position on main road; no poisons stocked; price £330. (2) Retail and Dispensing; returns £612; excellently good shop, house, and fixtures; price £450, or valuation. Sugg, Chemist, Robson Street, Liverpool.

LONDON, S.W.—Branch in good district, main road; well fitted and stocked shop; returns under managers for last 3 years average over £950; profits much above average, and could be materially improved under personal control; must be sold to pay off mortgage; price £760, part can remain. "Radix" (3/40), Office of this Paper.

MANCHESTER District (Manufacturing Town).—Old-established Light Retail and Photographic Business; good position; roomy house; well-fitted shop; good stock; several good Specialities; returns about £12 weekly; rent and rates moderate; low price on account of ill-health; £280. "Immediate" (2/17), Office of this Paper.

MANCHESTER.—Corner shop, handsomely fitted; electric light; splendid living accommodation (at present let off); good Family trade with own Specialities; satisfactory reasons for disposal; particulars on application; price required £500. 4/40, Office of this Paper.

MARKET TOWN (within 50 miles of London on main line).—Old-established Retail, Prescribing, and Dispensing Business; for sale entirely through ill-health; returns exceed £1,000; capable of much increase; net profit nearly £350; central position; good house and garden; price £800 cash; opportunity seldom offered. Address, "Antim" (7/35), Office of this Paper.

MIDLANDS.—Small Cash Retail in main thoroughfare; low rent; convenient house; Wine Licence; returns about £300, capable of increase; price £150, or near offer. Apply, 5/31, Office of this Paper.

MIDLANDS.—Sound little Retail and Prescribing; well stocked; profits good; few Patents; house and garden; low rent; low price for cash; good reasons for disposal. 4/3, Office of this Paper.

SOUTH COAST.—Old-established Business for Disposal; Light Retail, Dispensing, and Prescribing, in fashionable seaside town; returns under management £550; nicely fitted, well stocked; good opening for Photography; no reasonable offer refused to effect an immediate sale. Apply, "Sulphonal (8/6), Office of this Paper.

SOUTH WALES.—Progressive General Retail Business; cash trade; industrial town; a little Photographic; good sound business, and no old unsaleable stock; closed on Sundays; weekly half-holiday; will accept moderate price for quick sale; returns £1,000; owner intending to emigrate. Apply, 274/29, Office of this Paper.

TUNBRIDGE WELLS.—Small Branch Retail for Sale (unopposed) in the centre of a large working-class district; nearest Chemist about a mile; good chance for qualified or unqualified man; rent, for shop and dwelling over, £25 per annum; price, as a going concern, £50, or near offer. Apply, Brackett & Sons, 27 High Street, Tunbridge Wells.

YORKSHIRE.—Popular Health-resort (Inland).—High-class Business; returns £12 per week, and increasing; large house (which can be let off); rent £50; price £415. Further particulars apply, Hirst, Brooke & Hirst, Ltd., Leeds.

YORKSHIRE.—Country Business; no opposition; grossly neglected; splendid prospects; rent £28; good house, every convenience; shop newly fitted; good opening for energetic man; price £180 for quick sale. F. W. Smith, 3 Belgrave Terrace, Leeds.

YORKSHIRE.—A steady Retail Business; in same hands many years; owner retiring; incoming about £700; a favourable opportunity for a young registered man to commence business. Address, 6/29, Office of this Paper.

CHANCE for Young Men under 40 in South Africa.—Mixed Business; returns about £240 monthly; small expenses; unopposed; capable of vast increase; Italian climate; present stock nearly £800, can be reduced to suit purchaser; cash buyer wanted. Address, "Business," c/o Messrs. Hewlett & Sons, London, E.C.

# BUSINESSES FOR DISPOSAL

*(continued.)*

DRUG-STORES (lock-up); main thoroughfare, thickly populated S.E. district; low rent, inclusive; part could be let off to a doctor or dentist; separate entrance; stock and fixtures for £30; satisfactory reasons given for disposal. Apply, 7/39, Office of this Paper.

FOR Sale, a Provincial College of Pharmacy, in a healthy, flourishing condition; the advertiser's reason for sale will be found satisfactory; this is an excellent opportunity for a vigorous and energetic man. Apply to "Educator" (147/10), Office of this Paper.

FOR Sale, the very old-established Chemist and Druggist Business and Wine and Spirit Licence, together with Loose Utensils, Chemist's Fixtures, Bottles, and Stock-in-Trade, carried on at 25 Town Hall Street, Sowerby Bridge. Excellent opportunity of acquiring one of the oldest businesses and best position in the town. Apply to J. E. Whitham (Whitham & Turney), 6 Harrison Road, Halifax.

GENUINE Retail and Prescribing Business in busy Yorkshire town; returns £370 under manager, could be greatly increased; good profits; price £200, or near offer. Hart, Chemist, 3 Cemetery Road, Doncaster.

GENUINE Retail and Prescribing Business with good Specialities for Sale; good house and stores; small garden; present returns £570 under manager, did £750 2 years ago under principal, and could easily be worked up again; shows good profits; satisfactory reasons for disposal; price £450. "James" (7/40), Office of this Paper.

GOOD-CLASS Business; Western Suburb, London; turnover £860 per annum under management; steadily increasing for last 3 years; modern house; shop well fitted and stocked; price about £600. Apply, "Suburbs (261/17), Office of this Paper.

IN Bankruptcy, *re* G. J. Walker, 7 Guildhall Street, Lincoln, Chemist and Druggist.—For Sale, as a going concern, the Stock-in-trade, Fixtures, etc., at valuation. For further particulars apply to G. W. Sparrow (Sparrow & Thomas), 11 Bowling Green Street, Leicester, Incorporated Accountant, Trustee.

PRETTY Part of Surrey.—A profitable little Business; returns average last 3 years nearly £400; profits about one-third; rent £50, on lease; in present hands about 10 years; established about 20 years; very good house, in thorough repair, fronting main road, 2 sitting-rooms and 5 bedrooms, with garden at side entrance, also at the back; shop double-fronted; opening for Dentistry, Photography, or Optical work; failing health cause of sale. Address "Surrey" (281/12), Office of this Paper.

RETAIL and Prescribing Business; situated on South Coast; working-class neighbourhood; returns £7 to £8 weekly, all ready cash; could be greatly increased; rent, rates, etc., under £40; suit beginner; price £150 for immediate purchase; must sell. Apply "Coast" (272/2), Office of this Paper.

SUCCESSFUL Light Retail and Family trade, with some Photographic; increasing returns; fully stocked; good, convenient house; main thoroughfare, near station; investigation invited; valuation terms about £750, or offer requested. Particulars and photo on application, J. G. Hodgson, Chemist, Kirkgate, Wakefield.

THE INFIRMARY PHARMACY, 138 WESTGATE, BRADFORD.—This Business was founded by Forshaw & Snow in May 1894, Mr. Snow retiring from the partnership six years ago; at that time the stock and fixtures were valued at £560, since which they have in no way deteriorated; the business is now for sale, and £250 will be accepted for it; a few years ago £80 was taken week after week in prescribing alone, and a qualified energetic man can easily bring these returns back. Further particulars from Forshaw & Ellison, Dental Surgeons, 140 Westgate, Bradford.

TO CHEMISTS.—South-East Lancashire.—Old-established Mixed Retail, with Photographic, in leading thoroughfare of busy manufacturing town; double-fronted shop; good house, cellarage, etc.; returns £414; rent £28; price £250. "Phœnix" (280/29), Office of this Paper.

TO CHEMISTS.—For immediate Sale, a Family Drug Business in a North-West Lancashire village; takings about £500 per annum, steadily improving; rent £24; good house connected with business premises; price required £225. Apply "Quinine," c/o Evans Sons Lescher & Webb, Ltd., Liverpool.

£500 RETURNS (nearly).—Thames Valley; growing neighbourhood; immediate sale desired; no immediate opposition; £200, or near offer. 8/19, Office of this Paper.

TO DENTISTS.—Select Practice in busy thoroughfare in Clifton; splendid opportunity for young Practitioner; Assistantship offered, with view to purchase; small capital required; capable of great increase. "Cosmos," Western Dental Manufacturing Co., 75 Queen's Road, Bristol.

# BUSINESSES WANTED.

**NOTE.—Replies can be addressed to this Office and forward to the Advertiser for an additional charge of 6d.**

REQUIRED, small good-class Business; price must be low a plenty of scope for improvement; good position in medi size market town in North. Particulars to "Qualified" (280/2 Office of this Paper.

MIXED Drug Business wanted; must stand strict investigati fair house attached; country preferred; price £100 to £1 Apply, with full particulars in first letter, to "Alpha" (4/10), Of of this Paper.

WANTED, a thoroughly genuine Retail and Dispensing Busin in W. or S.W. of England; good market or country town p ferred; returns about £800, increasing. Full particulars to "I mediate," c/o Post Office, East Clevedon.

# TO LET.

**☞ See Publisher's Notice on Front Page of this Supplement.**

STREATHAM (Main Road).—Commanding Shop Premises to Let or Sold; every accommodation; suitable for a Chemist Drug-store; moderate initial rental. Apply, Philip C. Dav Estate Agent, 323 High Road, Streatham.

COMMANDING Corner Shop to Let; large neighbourhood; splen opening for Chemist and Druggist Stores; good living acc modation; small rent; key at 254 Hither Green Lane. Particul of Stocker & Roberts, 3 Railway Approach, Lewisham.

SHOPS (Lock-up), The Market outside Turnham Green Stati attractive and convenient; good parade; very suitable for fi opening branches; a few to be Let; low rent on lease. Full p ticulars of H. Diprose, 66 Clapham Road, S.W.

TO CHEMISTS.—House and Shop to be Let; plate-glass fro 6 rooms and private entrance; well-fitted and just vacated Chemist; capital opening for energetic man; rent £35. Apply to Harold Griffin, Auctioneer, 54 High Street, Battersea, close by. other shops in good positions; some at lower rents.

128 DERBY ROAD, NOTTINGHAM.

TO be Let, commodious, well-lighted House and Shop at junc of Derby Road and Wollaton Street, Nottingham, for m years occupied as a Chemist's and Druggist's (recently bur down); shop and cellars can be reinstated to suit tenant. Ap Henry Wing & Son, Solicitors, Nottingham.

LONDON, S.W.—In a rapidly developing suburb a Chemis urgently needed; suggested premium, £25 only. Apply, 26 Office of this Paper.

# SALES BY AUCTION.

**NOTE.—Replies can be addressed to this Office and forwar to the Advertiser for an additional charge of 6d.**

BY ORDER OF MORTGAGEES.

EXCELLENT PREMISES for Drysalters, Manufacturing Chem etc. Convenient to the Centre of Manchester.

TO BE SOLD BY AUCTION by Mr. W. H. ROBINSON at Thatched House Hotel, Manchester, on Tuesday, May 1908, at 6 o'clock prompt, subject to conditions to be then produ

ALL THOSE two plots of land, with the works and stores 6-stall stable thereon, situate No. 8 Commercial Street, Knott Manchester, with the boiler and engine. The premises hav frontage to the River Medlock.

The site contains 940 square yards or thereabouts, and is lease for the residue of terms of 999 years, and subject to ground-r amounting to £52 13*s.* 4*d.* Vacant possession can be had on pletion.

For further particulars apply to the Auctioneer, Cromwell B ings, Blackfriars Street, or to Messrs. Sale & Co., Solicitors, 29 B Street, Manchester.

# SALES BY PRIVATE TREATY.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.

TO be Sold, by private treaty, the well-known premises called "Fulwood Drug-stores," Victoria Road, Fulwood, as a going concern; established upwards of 20 years; good opening for a young energetic man; the premises are freehold and free from ground-rent. For particulars apply, Messrs. Ward & Newsham, Solicitors, 7 Lune Street, Preston.

# TENDERS.

☞ See Publisher's Notice on Front Page of this Supplement.

NOTICE TO MANUFACTURERS OF CHEMICALS.

THE Director-General, Ordnance Survey, is prepared to receive applications from any firm which is willing to tender for the supply of CHEMICALS for PHOTOGRAPHIC and other purposes.

Applications for forms of tender and specification should be made to the Officer in Charge of Stores, Ordnance Survey Office, Southampton.

All Tenders must be submitted before noon on May 27, 1908.

# FOR SALE.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.

LONDON, N.—Small Stock and Fittings of old-established Chemist's shop for Sale; £25 all at; proprietor's death cause of sale; business requires working up; close to railway station; rent 8s. 6d. weekly, no taxes. 1/5, Office of this Paper.

COMPLETE Set Chemist's Fixtures.—Solid mahogany, plate-glass, wall-case, piano front, counters, dispensing-screen, nest drawers, glass labels and knobs (shelving over), cornice, clock, bent-glass case; perfume case and desk; cash-till, window-enclosure, plate-glass shelves, carboys, scales, jars, mortars; cost over £300; for immediate sale £90. F. W. Smith, 3 Belgrave Terrace, Leeds.

# APPRENTICESHIPS.

☞ See Publisher's Notice on Front Page of this Supplement.

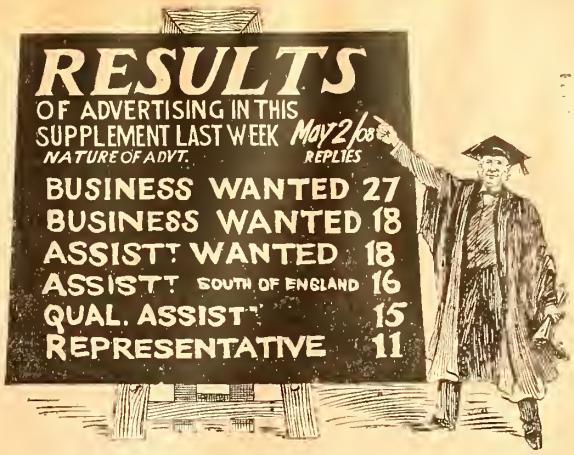
APPRENTICESHIP.—Wanted, a well-educated youth in a Country Business where a good general knowledge of the business can be obtained; time for study. Apply, for particulars, to H. Robins, Market Place, Wantage.

# AGENCIES.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.

TO Chemists and Others.—Wanted, Agents to take Orders for Enlargements of Photographs, size 15 in. by 12 in., in hand cut mounts, 22 in. by 16 in.; liberal percentage on all orders; specimen of work sent free to those taking on agency; inquiries solicited. Apply to Lewis, 20 Wellington Road, Old Charlton, S.E.

WANTED, a well-accredited, tactful man, in permanent employment, to undertake high-class Agency for spare time; inquiries invited. Address 2/18, Office of this Paper.




This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

PHOTOGRAPHS AND TESTIMONIALS.—Assistants should not send their photographs to advertisers of Situations Open unless they are specially requested to do so, and then enclose a stamp for return. In no case should the originals of testimonials be sent; copies suffice until negotiations are approaching completion, when the originals may be submitted at the employer's risk.

# SITUATIONS OPEN.

*3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.*

## RETAIL.

BIRKENHEAD.—Wanted, a smart Junior, about 22 to 24, for good-class Dispensing business; must be reliable and experienced Dispenser. Apply, with usual particulars and salary required (outdoors), to W. S. Robinson, York Place, Birkenhead.

BIRKENHEAD.—Wanted, temporary Junior (indoors) in good-hours 9 to 6 P.M. Full particulars, salary required, etc., E. H. particulars, to W. E. Hickin, 12 Mallaby Street, Birkenhead.

BIRMINGHAM (district).—Junior Assistant required; about 21 years of age; unqualified; references must be unexceptional and must be accustomed to trade of the Birmingham district. Apply, by letter in first instance, to A. G. Glasspool, Ltd., Chemists, Halesowen.

BOURNEMOUTH.—Competent Assistant required; to sleep out; hours 9 to 6 P.M. Full particulars, salary required, etc., E. H. Ridley, Charminster Road, Bournemouth.

BRIGHTON.—Wanted, Manager to take sole charge of small business; aged about 30; unmarried; qualified; good references required. Apply, with full particulars and salary required, Dudley, Short & Co., Chemists, Brighton.

BROADSTAIRS.—A competent Junior required in a good-class Light Retail and Dispensing business; must be a reliable Dispenser and quick and intelligent at the Counter; state salary required (indoors or out); weekly half-holiday; applications not answered in three days are declined. J. Horrell & Co., Broadstairs.

CAMBRIDGE.—About end of June, a qualified Assistant; indoors; not under 26 years of age; must be steady and a reliable and experienced Dispenser; comfortable home. Apply, stating age, salary required, and enclosing photo, to Beall, 15 Chesterton Road, Cambridge.

CHELMSFORD.—Unqualified Junior Assistant, 20 to 23, for good-class country Retail and Agricultural business; half-holiday weekly and no Sunday duty; another (qualified) assistant kept. Apply, stating full particulars and salary required (outdoors), with references, to E. Bunn, Chemist, The Central Pharmacy, Chelmsford.

# SITUATIONS OPEN—*cont.*

## RETAIL—continued.

CLAUGHTON.—Assistant; early in June; about 23; capable Dispenser; gentlemanly education and address; outdoors. Yates, Claughton, Birkenhead.

DOUGLAS (I.O.M.).—Assistant; about 25 years; good Dispensing and Photographic business; indoors; end of May to end of October. Send all particulars, with references, to J. S. Aspell, Chemist.

FALMOUTH.—Wanted, for good-class business, qualified Assistant, with good experience in Dispensing and Photographic work; outdoors; must be good Counterman; one seeking permanency preferred. Apply, stating age, height, salary, and full particulars, to Wilmer & Hocking, Chemists, Falmouth.

FOLKESTONE.—Wanted, a qualified Assistant (age about 24), outdoors, for a good-class Dispensing business. Full particulars, with photo, stating salary, etc., to Ransford, 24 Sandgate Road, Folkestone.

FOLKESTONE.—A smart Junior, for good-class cash business; knowledge of Photography essential; indoors; permanency. Price, M.P.S., Tontine Street.

GAINSBOROUGH.—Junior Assistant (outdoors). State salary required and experience first letter, Burrows, Gainsborough.

GLOSSOP (near Manchester).—Junior or Improver wanted, at once; Mixed Retail and Dispensing; outdoors; half-holiday; no Sunday duty. Apply, giving full particulars first letter as to height, age, salary required, photo (if possible), Moran, M.P.S., High Street, W.

GRAYSHOTT.—Qualified Assistant (about 24), with knowledge of Photography, required. Apply, giving in first instance full particulars of experience, age, height, salary required (indoors), and enclose photo, R. C. Harrison, Pharmacist, Grayshott, Haslemere.

HARWICH.—Junior; outdoors. State experience, salary required, giving two last references, Woodward, Harwick, Essex.

HIGH WYCOMBE.—Wanted (immediately), smart Junior Assistant; about 21; outdoors; Cash business; hours 8.30 to 8; close Wednesdays at 2, Saturdays 10; no Sunday work. Kindly supply full particulars in first letter, with references, salary, and photo (if possible) to Fuge & Co., Chemists, High Wycombe, Bucks.

HONITON.—Wanted, smart Junior or Improver in good Dispensing, Photographic, Agricultural business; good opportunity to acquire useful knowledge and help extended to a student if desired; excellent facilities and neighbourhood. Give age, experience, and salary. Dyer, Pharmacist, Honiton.

KENSINGTON.—Junior Assistant (indoors) wanted, about June 1. State age, height, experience, references, and salary, or apply personally. Davis, 4 Stratford Road, Marloes Road, Kensington (midway between Earl's Court and High Street Kensington Stations).

LANCASHIRE.—An energetic and trustworthy Assistant wanted for Mixed business, with some knowledge of Photographic preferred; indoors; exceptional home comforts provided; no Sunday duty; Wednesday half-holiday; first-class references required. State age, height, if qualified, experience, salary, and full particulars, to W. Aspinall, Chemist, Ashton-in-Makerfield.

LEICESTER.—Junior Assistant-Dispenser wanted. Apply, stating age and salary required, to "Manager," Provident Dispensary, East Bond Street.

LEIGH.—Beginning of June, qualified Manager; age about 30; married preferred; knowledge of Optics and Photography essential; house provided; half-holiday weekly. State full particulars as to previous engagements, age, height, salary required, to J. A. Wilson, 10 Fazakerley Street, Chorley.

LIVERPOOL DISTRICT.—Junior, for good-class Cash, Retail, Dispensing, and Photographic business; outdoors; reasonable hours. Apply, with full particulars, etc., to 120 Duke Street, Birkenhead.

LONDON, E.—Wanted, on the 16th, Junior Assistant; must have at least 2 years' good reference either as Apprentice or Junior; salary to commence 32*s.* 6*d.* week (outdoors); hours 9 to 10, alternate Sundays 6 to 10 P.M.; one evening a week off at 5; plenty of time for study. 2/8, Office of this Paper.

LONDON, W.—Junior Counter Assistant, under 25; must be well educated, tall, and of good appearance. Morny, 201 Regent Street, W.

LONDON, S.E.—Part-time; Junior Assistant (outdoor) wanted for about 6 hours daily; Dispensing, Counter, Photographics; student preferred; easy access to colleges. Harper (late Phillips), Pharmaceutical Chemist, 231 Knight's Hill, West Norwood, S.E.

LONDON, S.E.—Locum (qualified), who understands Sight-testing, for last week in May; country business. State qualifications, references, etc., to Mr. Arch, 39 Beckwith Road, Herne Hill, London, S.E.

LONDON, W.—Qualified man, also Assistant, used to Store trade; good references indispensable. Apply, Dodd's Drug-stores, Ltd., 70 Tottenham Court Road, Saturday morning, 9.30 to 10.30.

LONDON, W.—Qualified Junior wanted at once for Dispensing counter. Apply J. Munro & Co., Ltd., 273 Regent Street, W.

LONDON, S.E.—Required (immediately), Junior; 23 to 25; tall, gentlemanly, and well experienced in quick Store trade. Photography essential; must be good worker. Apply, giving full references, salary required, by letter only, to "Stores," 25 Camberwell Green, S.E.

LONDON, W.—Wanted, May 18th, a capable Assistant; must be a good Dispenser and used to good-class business; half-holiday weekly. If writing, please send photo, or call, Charles W. Brumwell, 6 Weymouth Street, Portland Place, W.

LONDON, N.W.—Wanted at once, Assistant; Dispensing experience essential; indoors; weekly half-holiday. Apply, C. A. Noble, 110 Mill Lane, W. Hampstead.

LONDON, S.E.—Wanted, a Junior (indoors) Assistant for Dispensing, Light Retail, and Photographic business; easy hours, alternate Sunday evenings, 7 to 9; half-day weekly; can arrange time for study if desired. Apply, with particulars, etc., F. E. Simpson, 22 Woolwich Common.

LONDON, S.W.—Assistant wanted (at once), for about 4 months for general London Retail business; indoors preferred; whole or part time; knowledge of Photography. Enness & Co., 91 High Street, Wandsworth, S.W.

LONDON, S.E.—Manager wanted, at once, to work up neglected branch; also Junior; used to good-class Dispensing business. Apply, with full particulars, to T. W. Dunlop, 20 Beulah Hill, Norwood, S.E.

LONDON, S.W.—Junior, for best-class Dispensing and Retail, at once. Apply, by letter, H. T. Escritt, Chemist-Optician, 284 Streatham High Road, S.W.

LONDON, W.—Qualified Senior for high-class Store Pharmacy (outdoors). Apply, giving full particulars, in first instance to "Celer" (7/29), Office of this Paper.

LONDON, S.W.—Required, a lady Dispenser (qualified) at a small special hospital; hours approximately 10 to 5.30 Mondays, Wednesdays, and Fridays; 12 to 5.30 Tuesdays, Thursdays, and Saturdays; dinner and tea provided; salary £60 per annum. Apply by letter, with copies of testimonials, to "W. U. D.," 23A St. James Street, S.W.

LONDON, S.W.—Required, Dispenser; Minor qualification; age about 25; salary to commence 45*s.* per week; outdoors; no Sunday duty; hours of work approximately 8.45 to 6 P.M., Saturday till 2 P.M. 3/6, Office of this Paper.

LONDON, W.C.—Qualified Assistant wanted; single; age about 25; to live indoors; comfortable home; good all-round man required; good references essential; state height, age, exeperience, etc., and salary required; wanted about June 8. Enclose photograph if possible to Wm. Challice, Chemist, 34 Villiers Street, Strand, London, W.C.

MANCHESTER.—Qualified Branch Manager; outdoors. State age, height, salary required, and particulars of experience; also send photo, D. Dickson, M.P.S., 716 Ashton New Road, Clayton, Manchester.

MANCHESTER DISTRICT.—Wanted, smart, capable Junior; age about 20-21; splendid opportunity for gaining valuable experience. State when at liberty and salary required to 4/2, Office of this Paper.

NATAL.—Qualified Assistant required for Durban; capable man; age about 25; one who has had experience in the West-end of London and with a general knowledge of Photography preferred; salary, first year £200, second £212, third £224 per annum, with furnished bedroom on the premises; second-class passage paid; three years' agreement to be signed. Write, with full particulars of experience, to "V. N." (3/34), Office of this Paper.

PENANG.—Required, at once, Scotsman with Minor qualification and good Dispensing experience; must be smart, healthy, good character, and not afraid of work; aged about 22 to 25 years; 4 years' agreement; salary £22 per month for the first year, £24 the second year, £26 the third year, and £28 the fourth year; second class P. & O. passage paid out. Apply, with photograph, "E. J. M.," C. J. Hewlett & Son, 35-42 Charlotte Street, London, E.

REGENT'S PARK, N.W.—Part-time; room provided; suit Minor student; about 22 years. State experience and salary required, photo, Bell, 96 Albany Street, N.W.

RHYL.—Assistant wanted for Light Retail and Dispensing business before Whitsuntide; aged about 25; indoors. Please state salary required and references to T. M. Davies, Chemist, Rhyl.

ST. MORITZ (Switzerland).—Qualified English Chemist required for June 1st; extra language and Continental experience an advantage; salary 300 francs per month; travelling allowance 120 francs. Full particulars in first letter to International Pharmacy.

SALISBURY.—Qualified Assistant wanted immediately; one who has just passed his Minor would do. Apply, giving particulars of salary, age, height, and send photo if possible, to J. Rowe, "Medical Hall," Fisherton, Salisbury.

SOUTHEND-ON-SEA.—Good smart Junior till October; immediate; short hours; half-holiday weekly; outdoors. State usual particulars, Bell & Co., Southend-on-Sea.

STOURBRIDGE.—Junior Assistant in good-class Dispensing and Retail; outdoors. Apply, with full particulars and c. de v., to Simpkins, Chemist, 75 High Street, Stourbridge.

TAUNTON.—Wanted, unqualified Assistant; indoors; age 21 to 24. Apply, stating full particulars, to Gregory & Wrenn, Chemists, Taunton.

WANTAGE.—Wanted, at once, good Assistant (unmarried) for Country Retail and Doctor's Dispensing; must be quick and accurate Dispenser and accustomed to country trade; permanency to suitable man. Full particulars and references, Clegg & Son, Wantage.

WARE.—Wanted, Junior or Improver (20 to 22), with a knowledge of Photography, for a good-class Family and Dispensing business; easy hours; half-a-day off weekly; no Sunday duty; indoors or outdoors. State salary required, and give full particulars and references and when disengaged to Woollatt & Coggin, Chemists, Ware.

WESTCLIFF-ON-SEA.—Wanted, capable Junior, about 20, for Dispensing and Light Retail (indoors). State experience, salary required, and enclose c.d.v., Body, 170 Station Road, Westcliff-on-Sea.

WILLENHALL.—Wanted, an Assistant with good experience (outdoors). Apply, stating age, height, references, salary required, and when at liberty, to W. H. Walker, Chemist, Willenhall, Staffordshire.

WORKSOP.—Wanted, Junior or Improver (outdoors), to commence at once. State age, height, and give full particulars, with wages required, to Sturdy, Chemist, Worksop.

A JUNIOR Assistant in North London suburb; knowledge of Photography essential; indoors. "X. Y. Z." (3/22), Office of this Paper.

AT ONCE.—Smart Assistant wanted; qualified or unqualified; must have had good Counter and Prescribing experience and possess best references. Please send full particulars, with photo, to W. A. McCarthy, 50 High Street, Grays.

CHEMIST-OPTICIAN.—Young man, qualified, wanted for abroad; must be single, healthy, and practically experienced in Optics. Apply, giving full particulars of experience (in confidence), to "Optician," William Porteous & Co., Glasgow.

IMMEDIATELY, for a permanency, a thoroughly competent Manager (qualified); aged 26 to 30 years; married preferred; good Prescriber and able to extract Teeth, with knowledge of Optics; first-class references indispensable; salary to commence at £120 and good percentage, with house, rates, and gas included. Apply personally, or if by letter enclosing carte, to Charles Cowles, 37 Broadway, Stratford, E.

IMPROVER or Junior wanted, about June 9; age about 19; steady, obliging, good worker, for quick Counter; suburban business; Midlands; some Photography; outdoors; first-class reference essential; applications not answered in 5 days from post-mark declined. State usual particulars first letter (C.D.V. returned), salary required, to 5/3, Office of this Paper.

JUNIOR Assistant wanted (outdoors), for brisk business; three assistants kept; half-holiday weekly from 1 P.M. State reference, age, salary, and enclose photo, to Phillips, Cash Chemist, Newport, Mon.

JUNIOR; qualified preferred; good Counterman, Window-dresser; abstainer; progressive salary to energetic man. Photo, salary, and full particulars to "Near London" (7/26), Office of this Paper.

LARGE firm of qualified Chemists require, immediately, first-class qualified Senior; good prospect of obtaining lucrative Manager's position before long. State age, whether married, when at liberty, and salary required, to 4/210, Office of this Paper.

MANAGER (qualified) wanted; Mixed business; Extractor, Photographic, Retail. Reply, stating age, reference, salary, and when at liberty, "Velox," Central Buildings, Thirsk.

MANAGER (qualified) required for Birmingham; live on premises; family not objected to; must have undeniable references; part share in profits given to suitable man. Give every particular in first letter to "Permanent" (5/30), Office of this Paper.

MAY and June, capable Junior; about 22; indoors; abstainer preferred; afternoons free. "Statim," 6 Nugent Terrace, St. John's Wood, N.W.

QUALIFIED Assistant wanted, early in June; capable of taking charge; good Dispenser and practical knowledge of Photography essential. Please give full particulars of experience and state age, height, and salary to 7/38, Office of this Paper.

QUALIFIED Assistant wanted; good all-round man; single. "X. Y. Z." (8/27), Office of this Paper.

QUALIFIED Assistant; about 26; outdoors. Full particulars of salary, references, etc., to "Statim" (191/45), Office of this Paper.

WANTED, temporarily, fully-qualified Manager for business on South Coast. Address, with testimonials, to "F. C. A.," c/o J. W. Vickers & Co., 5 Nicholas Lane, E.C.

WANTED, a qualified Assistant for the Mixed trade in a working-class district, and we include Colours, Varnishes, etc., in small quantities; no Sunday duty; Thursday half-holiday. State age, salary required, and addresses of the last three situations, for strictest investigation, Exor. of Joseph Watts, 595 Attercliffe Road, Sheffield.

WANTED, smart, qualified Manager for good working-class business; must be married. State salary required and when at liberty, 4/201, Office of this Paper.

WANTED, for June 4, smart Assistant, to take charge of Drug Counter in a large Mixed business; abstainer preferred. Isou & Sons, Ltd., Wellington, Shropshire.

## WHOLESALE.

A FIRM of Manufacturing Perfumers are open to appoint a Representative in Scotland; liberal terms; Society guarantee required; all applications will be treated in strict confidence. Apply, giving full particulars, to 4/7, Office of this Paper.

COUNTRY Representative wanted by a London firm to solicit Chemists, Drug-stores, etc.; must have a sound knowledge of the trade and be a keen, methodical, and energetic worker. Apply, stating age, experience, and salary required, to 8/16, Office of this Paper.

DRY COUNTER.—London Wholesale Druggists require man, aged 22 to 25; thoroughly experienced at Dry and Chemical Counters; capable, reliable, and accurate; must have first-class references. State particulars of previous situations, wages expected, and if disengaged, to 6/16, Office of this Paper.

GENTLEMAN wanted, capable of calling upon Chemists and Stores; able to increase orders for well-known proprietary article (hair preparation). Apply, stating past experience, terms, etc., to "D." (191/31), Office of this Paper.

TRAVELLERS wanted by well-known firm, in all parts of England and Scotland with thorough connection among Chemists, to take up smart new quick-selling 1s. Toilet articles as a Side-line; good commission. State district wanted, 188/23, Office of this Paper.

TRAVELLING Representative for Spain and Spanish-America required by a large firm of Manufacturing Chemists; candidates must possess some Pharmaceutical training and a fluent knowledge of the Spanish and English languages; applicants holding an English pharmaceutical qualification will receive preferential consideration. Apply, with full particulars, such as age, salary required, previous experience, etc., to "S. S. A." c/o West End Advertising Agency 195 Oxford Street, W.

WANTED, by a well-known Wholesale firm, 2 smart Representatives with knowledge of Photographic appliances, calling on Chemists in Scotland and Wales respectively; liberal terms to suitable men. Apply, with age, experience, and references, to 189/55, Office of this Paper.

WANTED, Manager for Chemical Works in Scotland; must be good commercial man and have held similar position. Address, stating age, experience, and salary required, to "C. R.," c/o Streets', 42 Albemarle Street, W.

WHOLESALE.—Assistant, Minor qualifications, required for Wet Counter. Apply, stating full particulars, to Timothy White Co., Ltd., Wholesale Chemists, Portsmouth.

# SITUATIONS WANTED.

*1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.*

## RETAIL.

QUALIFIED Lady Dispenser disengaged; good references. 2/29, Office of this Paper.

MANAGER; qualified; good all-round experience; Photo.; 39. "Metol" (2/308), Office of this Paper.

ASSISTANT; unqualified; aged 21; outdoors; highest references. "Statim," 111 Lake Road, Portsmouth.

EXPERIENCED Dispenser; permanency; Locum or part-time; references. 57A Mersham Road, Thornton Heath.

QUALIFIED; 25; tall; good varied experience; smart and willing workman; outdoors. Reynolds, 478 Halliwell Road, Bolton.

DOCTOR'S Dispenser or Part-time; permanency; first-class experience; Photography. "Opus" (189/17), Office of this Paper.

MANAGER; qualified; accustomed to good-class modern business; Photography; good experience. "Statim" (2/38), Office of this Paper.

QUALIFIED; 24; South preferred; Dispensing, Photography; experienced; excellent references. Barnes, Market Hill, Wigton, Cumberland.

QUALIFIED German Chemist (28) wants situation with London Chemist; best references. E. Schafer, 40B Aberdeen Park, Highbury, London, N.

LOCUM, qualified, has a few vacant dates for holiday duty as Senior or to take charge. "Alpha," c/o Griffiths, Pharmacist, Kidsgrove, Staffs.

QUALIFIED; 25; first-class experience (London and provincial); good references; disengaged; London preferred. "C.," 1 Mersey Terrace, Seacombe.

ASSISTANT; good general knowledge; not Dispensing; town or country; 32; unqualified; good references. "F.," 54 Grove Road, Clapham Park, S.W.

DISPENSER.—Fully trained Nurse requires post; hospital or private; Apothecaries' Hall certificate; excellent references. "E. S.," St. John's Hostel, W.

RELIABLE Manager for good-class business, first-class experience; qualified; good references; disengaged; town or country. State salary, 278/14, Office of this Paper.

MANAGER, Locum, or Senior; qualified; first-class experience; also Store; London or South preferred, but not essential. "Chemicus" (2/83), Office of this Paper.

ITALIAN Chemist, with first-class Riviera experience, seeks West-end engagement; speaks French fluently, English fairly. "Italy," 27 Chelsham Road, Clapham, S.W.

GERMAN Chemist, qualified 1907 (Berlin), seeks employment; good reference; some knowledge of Photographic; little English and French. Peters, 39 Elm Grove, Peckham.

BRANCH Manager or Senior; qualified; aged 28; all-round experience; good references; recommended by Southall Bros. & Barclay. Russell, "Elstowe," Burnham, Somerset.

CHEMIST (by examination) and on Dental Register, requires situation as Manager, or would join practical Dentist not registered. Address "C. & D.," 109 Oxford Street, Oldham.

QUALIFIED Chemist (registered Dentist) as Manager or Locum; active, capable, and energetic; experienced in Dentistry; good Prescriber and Salesman. "Kent" (2/33), Office of this Paper.

YORKSHIRE.—Junior Assistant; 21; outdoors preferred; abstainer; over 5 years' good Dispensing experience; Photography; disengaged July 1. "N. S." (281/3), Office of this Paper.

FRENCH Assistant, good Paris experience, requires post (London) from July to October; West-end preferred. Write, Mansat, 125 Bd. St. Michel, Paris.

QUALIFIED Locum (Lake District).—Manager of Southern Pharmacy will take Locum during his holidays; any summer month; reasonable terms, especially for part-time; outdoors preferred; reference; all-round experience. "Pini" (280/1), Office of this Paper.

LOCUM; M.P.S.; town or country; highest references. 2/23, Office of this Paper.

LOCUM or Manager; free May 16th. Loam, 24 Clare Avenue, Hoole, Chester.

SEASON engagement; qualified; 25; disengaged in June. Parry, 64 Via Condotti, Rome.

SOUTH WALES (or vicinity).—Assistant; 38. Jones, 7 Duffryn Street, Pontlottyn, Glam.

QUALIFIED; 24; good Dispenser; outdoors; disengaged. Johnson, 21 Oakley Crescent, Chelsea, S.W.

LOCUM; qualified; open for engagements from May 19 to end July. Roberts, 12 Church Road, Birkenhead.

ASSISTANT; unqualified; 26; excellent references; Part-time. 7 Derby Street, King's Cross, London.

ASSISTANT (25), unqualified, seeks situation; London (outdoors) preferred. Hicks, 12 Portway, Frome.

LOCUM, Dispensing, or Part-time; 51; Minor; single. "A.," 21 Coronation Avenue, Fishponds, Bristol.

PERMANENCY or Locum; outdoors; London; experienced. "Qualified," 13 Trafalgar Square, Chelsea.

EXPERIENCED Assistant; 25; good references. "Aspirin," 162 New Avenue, Acock's Green, Birmingham.

MANAGER or Locum; good-class experience; middle-aged; qualified. Henricus, 6 Station Street, Boston.

QUALIFIED; Locum or temporary engagement; seaside preferred. "Minor," 28 Lichfield Road, Cricklewood, N.W.

UNQUALIFIED; aged 23; disengaged; Photography (Salesman and Operator). Vernon, 4 Prebend Street, Islington.

ASSISTANT; good experience, including Continental. Disengaged. "Extractor," 175 Woodhouse Lane, Leeds.

ASSISTANT, qualified, speaking French, desires evening engagement; West-end. "G.," 7 Trevor Square, Knightsbridge.

CAPABLE young man desires re-engagement; Wholesale or Retail; highest references. Mack, 36 Southgate Road, N.

QUALIFIED Chemist (30), single, Scotsman, wishes Management; London experience 10 years; good references. "J. C.," 46 Kenwyn Road, Clapham, S.W.

JUNIOR, unqualified (22), desires berth in good Dispensing business; 3 years' experience; outdoors; disengaged. "H. M.," 42 St. Luke's Road, Bayswater, W.

SMART young man seeks situation in London, country, or abroad; disengaged; 10 years' experience; unqualified. Vernon, 4 Prebend Street, Islington, London, N.

LADY Dispenser (experienced) desires post with doctor or institution; Apothecaries' Hall certificate; highest references. W. H., 175 Uxbridge Road, London, W.

ASSISTANT; capable of taking charge; not afraid of work; first-class references and good experience. "Energetic," 6 Payton Road, Handsworth, Birmingham.

SEASIDE.—Junior Assistant (21), disengaged, requires season's engagement; good-class Dispensing experience; highest references. Apply "H. Y.," 197 Rushey Green, Catford, S.E.

UNQUALIFIED Assistant; 28; tall, single, steady, competent, up-to-date; 12 years' all-round experience; Photographic; good references; outdoors. Veronal, Rock House, Clevedon, Somerset.

JUNIOR; 5½ years' experience Drugs, Photographic, and Electrical Mixed business; age 22; 5 ft. 8 in.; N.S. and T.T.; wage under 70*l.*; Lancs preferred; outdoors. Sydney, 40 Westgate, Burnley.

HOME or abroad; 21; 4 years' English, 2½ years' best French experience; good references; speak French fluently; thorough knowledge of foreign Dispensing. Stevens, Elmsleigh, Downton, near Salisbury.

EVENING part-time (except Thursday and Saturday) after 5 o'clock, by a gentleman engaged in the West-end; qualified; experienced; reliable. "Euclid," 26 Wontner Road, Upper Tooting Park, S.W.

IF any Chemist in Leeds or West Riding requires an unqualified, reliable Assistant (25), with 10 years' experience in Dispensing, Counter, Agricultural, and Photographic work, write Hind, 38 St. Nicholas Street, Malton.

AS Locum; temporary engagement or otherwise; qualified. 6/6, Office of this Paper.

QUALIFIED; 23; good Dispensing experience; North or Midlands preferred. 6/12, Office of this Paper.

ASSISTANT; unqualified; good references; outdoors; country town preferred. 4/22, Office of this Paper.

QUALIFIED; 31; Locum or permanency; Dispensing business; free end of June. 7/22, Office of this Paper.

LADY; qualified; Doctor or Institution; experienced; bookkeeping; testimonials. "C.," 53 Torridge, Thornton Heath.

QUALIFIED; 24; West-end and Provincial experience; London preferred. "Statim," 15 Aynhoe Road, West Kensington.

MANAGER or Senior; qualified; 29; all-round experience; Yorkshire (West Riding) preferred. 4/25, Office of this Paper.

DISENGAGED; Locum, Branch Manager, or Assistant; 40; qualified; married. Burton, 67B Queen's Road, Battersea, S.W.

LADY desires Retail experience; Minor qualification; testimonials; expenses only at first; reliable. 4/34, Office of this Paper.

ASSISTANT, unqualified, 30, seeks situation; London or suburbs; good references and experience. 3/32, Office of this Paper.

MANAGER; qualified; married; 34; up-to-date experience; permanency; London or West England. 6/24, Office of this Paper.

LIVERPOOL and District.—Locum or permanent; unqualified; Extractor, Prescriber, and Dispenser. 5/18, Office of this Paper.

MANAGER or Dispenser; qualified; 32; married; thoroughly experienced and competent; good references. 4/17, Office of this Paper.

DISENGAGED; Locum, permanency; young; energetic; up-to-date experience. "Extractor," 54 Darnell Street, Newcastle-on-Tyne.

PART-TIME; reliable, energetic; experienced; good Salesman; excellent references; disengaged. "Mistura" (5/02), Office of this Paper.

UNQUALIFIED; 12 years' experience; tall; excellent references for Dispensing and Counter work; outdoors. Apply, 4/36, Office of this Paper.

ASSISTANT; 28; all-round experience; indisputable references; unqualified, but thoroughly competent. "G. T. G." (3/28), Office of this Paper.

ASSISTANT (26) requires berth; outdoors; Optical, Counter, Dispensing, Photographic; well recommended. "Rhei," 57 Mexfield Road, East Putney, S.W.

LOCUM; qualified; excellent references; booking dates forthcoming holiday season; note new address. Cairns, 21A Castletown Road, West Kensington.

ASSISTANT, unqualified, for good-class business; with Photographic experience; capable Manager; good references. B., 8 Sainfoin Road, Balham, S.W.

QUALIFIED, good experience, London and Continental, desires post as Manager; in or out doors. Apply, "H. M. P.," 25 Camden Road, Tunbridge Wells.

ADVERTISER, with small capital, unqualified, young, good all-round experience, wishes working Partnership in genuine business. Address, 5/25, Office of this Paper.

QUALIFIED; 23; tall; 8½ years' experience West-end; Dispensing, Counter, Photography; highest references; disengaged May 25; London preferred. Middleton, 13 Derby Street, Leek.

ASSISTANT (22), capitalist, seeks situation with gentlemanly Chemist; small shop preferred; wage of no importance; with without view to possession. 4/1, Office of this Paper.

LOCUM.—S. Snoxell, 75 Woodbridge Road, Guildford, would be glad to hear from gentleman requiring a Locum this summer, he is now booking engagements; qualified; good references.

MANAGER; good business increaser; Photography, Optics, tactful Salesman, and Prescriber; smart selling windows; 15 years' perience; last reference 2½ years; aged 30. 5/20, Office of this per.

QUALIFIED Chemist seeks engagement as Manager with a good sound business requiring additional capital; in healthy local; fullest investigations; highest references given. "S. W. J.," Trew & Co., 45A Kennington Road, S.E.

DISPENSER to Doctor; part or whole time; disengaged. "S. S.," 175 Kennington Road, S.E.

DISPENSER (male), Hall; booking, Locums, Dispensaries, Institutions. Smith, 7 Church Row, Hampstead.

ASSISTANT; 21; outdoors; good Dispensing experience; disengaged. Rees, 44 Tollington Road, Holloway, N.

EXPERIENCED Locum; day or week; town or country; highest references. Briggs, 100 Boston Road, Hanwell.

REGISTERED Chemist wants immediate employment; Branch or otherwise. "Statim," 52 North Road, Cardiff.

JUNIOR; 21; Part-time; mornings and evenings or evenings only; Town; outdoors. 7/25, Office of this Paper.

MANAGER or Locum; 36; disengaged; highly recommended; good all-round Extractor. 136 Camberwell New Road, S.E.

LOCUM or permanent; smart, experienced; Salesman, Extractor; Impressions. "Prescriber," 199 Scott-Ellis Gardens, N.W.

UNQUALIFIED; 23; outdoors; disengaged; Dispensing, Counter, Photography. "Extractor," 53 St. Thomas's Road, Derby.

QUALIFIED (27) seeks engagement; permanency; Continental experience; fluent French. "Kodak" (4/2), Office of this Paper.

LOCUM or temporary management; disengaged; moderate salary; experienced; energetic; reliable. "Statim," 3 High Street, Clapham.

MANAGER disengaged; temporary or otherwise; qualified, also registered Dentist; interview desirable. "Chemist," 7 Mason's Avenue, Croydon.

ASSISTANT; unqualified; 30; Prescribing, Dispensing, and Photographic; all-round experience. "Rossiter," 107 Queen's Road, Portsmouth.

ASSISTANT or Manager; 30; unqualified; good Counter, Dispensing, and Photographic experience; capable Locum. E., 55 Old Steine, Brighton.

MANAGER (Branch); experienced, capable Extractor, Dispenser, good Prescriber; outdoors; shortly disengaged. "Max" (8/4), Office of this Paper.

DISPENSER, experienced in hospital and surgery Dispensing, desires Locum engagements from end of May. "Dispenser" (8/28), Office of this Paper.

LOCUM or Branch Manager; qualified; disengaged; experienced in good General and Dispensing business. S. V. Holgate, 2 Peveril Drive, Nottingham.

LADY Dispenser (experienced) desires post with doctor or institution; Apothecaries' Hall certificate. Miss Hilda Stokes, Belle Vue Cottage, Malvern.

PART-TIME wanted, Mondays, Fridays, Saturdays; Dispense, Extract, Prescribe; abstainer; aged 26; Chemist-Dentist preferred. "L.," 8 Tregarvon Road, Clapham Common.

ASSISTANT or Branch Manager; well recommended; good-class City and Suburban experience; Dispenser, Prescriber, General Retail; disengaged. Forster, 5 Coleridge Road, Finsbury Park, N.

COMPETENT Assistant or Locum; used management; tall; West-end Dispensing experience; town or country; permanency; thoroughly experienced and reliable. R., 127 Acton Lane, Chiswick.

MANAGER, young and energetic, capable of working up business, seeks berth in London or provinces; would consider one with view to purchase or partnership. Manager, 33 Shooters Hill Gardens, Westmount Road, Eltham.

WANTED, management of small Business, London district, with view to gradual purchase; ability, integrity, and business-like methods guaranteed; in present position as manager 7 years; aged 36; married; references and credentials thoroughly trustworthy. "Non-Reg." (4/35), Office of this Paper.

## WHOLESALE.

GENTLEMAN requires position as Traveller with a good enterprising firm (Drug and Sundries), or would take up first-class Speciality or Proprietary for Medical men; North England preferred; young, energetic; splendid references. "Oleum" (191/43), Office of this Paper.

# SITUATIONS WANTED—*cont.*

## WHOLESALE—continued.

WANTED, situation in Wholesale; 6 years' first-class experience; also Retail; aged 29. 5/19, Office of this Paper.

PURCHASING Agent wants good lines in Fancy Goods suitable for Chemists' trade. Address, 5/6, Office of this Paper.

EXPERIENCED Traveller, with connection in the South of England, is open for re-engagement. 2/37, Office of this Paper.

AS Representative for Drugs, Chemicals, or Sundries; Pharmaceutical Chemist; good connection Thames Valley; excellent references. "Bonus," 51 Conduit Street, W.

CHEMIST (30), at present in Retail (West-end), but with experience as Traveller, wishes to Represent good Drug or Sundry house; small salary with commission to commence; guarantee if necessary. "Peregrine" (3/82), Office of this Paper.

TRAVELLER, pushing and energetic, 20 years' experience, Soap, Perfumery, Wholesale Druggists, Confectionery, and Mineral Water Trades over whole United Kingdom, seeks re-engagement with good House; excellent references. 3/26, Office of this Paper.

ANALYST.—Assistant Laboratory Manager (24) seeks change; thorough experience in all Analytical work; manufacturing experience in first-class London Drug firm; excellent references; moderate salary; London preferred. 3/11, Office of this Paper.

# MISCELLANEOUS.

**NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.**

McADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—200 Bovril Deferred, 5*s*. 1½*d*.; 25 Camwal Preference, 10*s*. 1½*d*.; 100 Ilford Preference, 13*s*.; 40 Lewis & Burrows Ordinary, 5*s*. 6*d*., dividend last year 3 per cent.; 100 Salt Union, 14*s*. 6*d*.; 100 Sanitas, 21*s*. 1½*d*.; 100 Schweppes Deferred, 7*s*. 4½*d*.; 200 A. J. White Ordinary, 3*s*. 1½*d*., 100 Preference 12*s*. 3*d*.; 40 Meggeson Ordinary, 20*s*. 3*d*.; 10 Cooper & Co. £1 shares, bid wanted; 100 J. C. & J. Field Ordinary, 4*s*. 6*d*.

WANTED (subject).—200 Camwal Ordinary, 2*s*. 1½*d*., 200 Preference 8*s*. 6*d*.; 100 Idris "A" Ordinary, 12*s*., 200 "A" Preference 11*s*. 9*d*.; 50 Lewis & Burrows Preference, 12*s*. c.d.

List of shares for sale and wanted sent free on application. Bankers: London and County. Established 1898.

## FILL UP

your spare time by studying Optics. My Course of Lectures will help you over all the difficulties that occur, and with their help you can become an expert optician, and also be able to add considerably to your income. My help is always at the service of my students, both during Course and afterwards in practical.

F. E. Bannister. *Practical Optician,* **BLOXWICH.**

CHEMISTS' SHOP-FITTINGS (SECOND-HAND). — Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.

SECOND-HAND SHOP-FITTINGS.—10-ft. drug-fitting, with lockers and mahogany fronted drawers, glass labels and knobs, mahogany coverboard and cornice, and mahogany fronted pilasters and shelves; 8-ft. mahogany and plate-glass fronted serving-counter; 4-ft. mahogany and plate-glass counter-case; perfume case and desk; 7-ft. mahogany screen, with plate-glass bevelled mirror centre and cases each side; counter under same with plate-glass cases in front; 6-ft. wall-case, opening in front with three glass doors, and fitted inside with shelves; nest of 10 drawers for behind counter; ready for immediate despatch; price, complete, £39 10*s*. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

SECOND-HAND CHEMIST'S FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 OLD STREET, LONDON, E.C.

WHOLESALERS wanted to sell our Bolic non-poisonous disinfectant in 1*d*., 2*d*., 3*d*., and 6*d*. bottles; also other packed goods for wholesaleing. Write, A. S. Morrish & Co., 108 Dukes Street, Liverpool.

# ENLARGEMENTS

## FOR CHEMISTS ONLY.

Write for Price List and Particulars

**FILMS DEVELOPED and promptly returned.**

# EXPRESS DEVELOPING CO.

**86 HIGH ST., WHITECHAPEL, E.C.**

The only firm who supply "Chemists only."

ONLY one writing between making a sale and posting to ledger, a combination Loose-leaf and Bound book for charge sales saves hours of bookkeeping; you need it. Write now for P.S. pamphlet, Lamson Paragon Supply Co., Ltd., Canning Town, London, E.

LOCUM TENENS supplied at short notice; reliable, experienced men; also Assistants; Stocks taken, balance-sheets prepared by qualified Chemists; business quickly and satisfactorily negotiated at half the usual agent's fee; highest references. Trewin & Co., 45A Kennington Road, S.E.

# TO MANUFACTURERS.

It is worth while to consider the possibilities of establishing a factory at Capetown, the gateway of South Africa.

**For particulars, address the TOWN CLERK, CAPETOWN.**

WINDOW-TICKETS.—Back from the holidays with new and striking designs; 8 tickets, 5 by 4, your wording, in 3 colours, P.O. 1*s*., sample 3*d*.; my designs are original and catch the eye; they will make a striking display in your window. Send now for spring display, "Ticket" (4/11), Office of this Paper.

## WHY DO YOU?

continue to pay fancy prices for Machinery Oil when we can supply you with first-class quality at 1s. per gallon, barrels free. Quality considered this must be a big saving to you. Sample on request.

**THE COUNTY CHEMICAL CO., Ltd.,** Manufacturing Chemists and Oil Refiners, Excelsior Works, BIRMINGHAM.

THE CHEMISTS' DICTIONARY OF MEDICAL TERMS AND TREATMENT is the latest *C. & D.* book. Tells you quickly what you want to know. Price 2*s*. 6*d*., or by post 2*s*. 8*d*., from the *C. & D.* Offices, 42 Cannon Street, London, E.C.; may also be obtained from the leading Wholesale houses; put down a copy in your next order.

## EXPLAIN THIS, CHEMISTS,—

How is it, if my methods of Increasing Business are not bona-fide—THAT old clients are constantly recommending their old college chums, and even other tradesmen, drapers, jewellers and others to me. Would YOU recommend a **fraud** to a friend? I hope not. Get that **free** booklet at once and convince yourself.

**BERNARD SLACK, HILL TOP, WEST BROMWICH.**

# Colonial and Foreign News.

Malwa Opium.—It is officially notified that during the calendar year 1908 not more than 15,100 chests of Malwa opium will be exported from India.

A Russian Exhibition.—In January 1909 it is proposed to open in St. Petersburg an international exhibition of pharmaceutical products, patent medicines, and improvements in the pharmaceutical laboratory. The cost of the exhibition, it is intended, shall be at the charge of the exhibitors, who will benefit *pro rata* by any surplus in the receipts.

The Fifth Annual Conference of the German Union of Assistant Druggists was held at Cassel last week. The report states that the membership is now 1,638, comprising thirty-nine associations. Salaries for assistants have declined during the past year, and the demand for assistants has decreased, it being only possible (by means of the Situation Bureau) to secure berths for 256 out of 521 applicants. The salaries offered were 8*l.* 15*s.* per month (one offer), 7*l.* 10*s.* (nine offers), 6*l.* 10*s.* (ten), 6*l.* 5*s.* (eighty), 5*l.* (200), from 4*l.* to 5*l.* (sixty), from 3*l.* 15*s.* to 4*l.* (fifty). The majority of the successful applicants ranged from nineteen to twenty-four years of age; for the older men the securing of situations was more difficult. The question of a compulsory examination for druggists was brought forward. A committee of the Union has been engaged for three years collecting data upon which to base a Bill for that end. The information is to be forwarded to the Imperial Chancellor and the Federal Council. In Prussia it is a condition that assistants engaged in establishments where poisons are sold should pass an examination, and the Conference agreed that it is desirable to extend that principle to the whole Empire by means of legislation. The examination-tests suggested comprise a knowledge of the laws and Federal regulations on the derivation, properties, use, effect, and strength of every article mentioned in the list of poisons contained in the Federal Council resolution of November 29, 1894, which is for sale outside pharmacies. It is likewise suggested that the examination should include a knowledge of the antidotes to the various poisons, that the examiners should comprise one medical man and two qualified poison-sellers, and that the certificate obtained be recognised in German Colonies, as well as throughout Germany proper.

## LONDON CHEMISTS' ASSOCIATION.

A special general meeting was held on Thursday, May 7, at the Royal Horticultural Hall, Vincent Square, Mr. F. W. Gauman in the chair.

British Pharmaceutical Conference.—A letter was read from the Secretary of the Conference, requesting the Association to appoint delegates to atend the meeting in Aberdeen.—Mr. J. C. Pentney: I propose that I go. (Laughter.)—It was agreed to appoint Mr. Pentney and Mr. A. Goldthorpe.

Pharmaceutical Politics.—Mr. Harcombe Cuff gave an address on this subject. It was chiefly confined to an intimate criticism of the Government Bill, this being prefaced by remarks in regard to poisons abuses which preceded the 1908, and which were the chief reason for the legislature stepping in then and insisting upon all vendors of piosons being qualified. A historical review of the matter was given, and as to the present proposals Mr. Cuff indicated their unfairness to those who have qualified as the law demands, and warned chemists that if the proposals as regards agricultural poisons become law it will be an easy step to extend the provision to veterinary medicines. He then dealt with the shop-management clause of the Bill, and called for the introduction of the clause in last year's Bill which covered the management of companies' shops. A lengthy discussion followed, in which the chairman, Mr. Pentney, Mr. Goldthorpe, Mr. R. Willson, Mr. A. Pellew, and Mr. Mawer joined, the opportunity being taken to "heckle" Mr. Cuff as Council candidate.

Pharmaceutical Defence Union.—Arising from the discussion, Mr. Goldthorpe mentioned this union, the formation of which was reported in the *C. & D.* last week, and this brought a statement from Mr. Woolcock, who, speaking by invitation, stated the objects of the Union.

It was resolved to support Mr. Cuff's candidature.

# Coming Events.

**Notices for insertion under this heading should be received by the Editor on Wednesday of each week.**

**Tuesday, May 12.**

*Leicester Chemists' Association*, Turkey Café, Granby Street, at 8.30 P.M. Annual meeting.

**Thursday, May 14.**

*Plymouth, Devonport, and Stonehouse Chemists' Association*, 7 Whimple Street, Plymouth, at 9.40 P.M. "Notes on B.P. Codex Preparations," by Messrs. Roper & Barge.

*West Ham Chemists' Association*, at 3.30 P.M. Visit to Price's Patent Candle Co.'s Belmont Works, Battersea, S.W.

*Bath Pharmaceutical Association.* Annual supper.

**Friday, May 15.**

*Royal Institution of Great Britain*, Albemarle Street, Piccadilly, London, W., at 9 P.M. Dr. H. T. Bulstrode on "The Past and Future of Tuberculosis."

The annual supper of the Birkenhead and Wirral Chemists' Association is to take place at the Hôtel Victoria, New Brighton, on May 28, at 8.30 P.M. Tickets (3*s.* 6*d.*) can be had from Mr. F. C. Cooling, Hon. Secretary, 29 Christ Church Road, Oxton.

The annual dinner of the Pharmaceutical Society of Great Britain is to be held at 7 o'clock on May 19 at the Whitehall Rooms, Hôtel Métropole, London, W.C. Tickets (21*s.*, including wine) from Mr. R. Bremridge, Secretary, 17 Bloomsbury Square, W.C. The annual meeting will take place the next day at 17 Bloomsbury Square, London, W.C.

# College Note.

Manchester College of Pharmacy.—A fine specimen of the cochineal cactus, with the living insects upon it, was brought to this College last week by Mr. A. Mercer, of Prestwich, and left for the use of the students.

## IRISH PHARMACY ACT CASE.

At Graigue (co. Kilkenny) Petty Sessions on May 7, before Mr. P. C. Creaghe, R.M. (in the chair), and Mr. E. A. Hughes, Mr. W. Kennedy was prosecuted, at the suit of the Pharmaceutical Society of Ireland, for having sold poisons, etc., without being duly qualified as a registered druggist; also of having allowed prescriptions to be compounded on his premises by a person who was not a pharmaceutical chemist.—Mr. W. C. Meeke, Dublin, appeared on behalf of the Pharmaceutical Society, and Mr. M. J. Bannin represented the defendant. Before the hearing of the case was proceeded with Mr. Bannin asked by what authority the prosecution had been brought, and Mr. Meeke satisfied the Bench on this point. Sergeant Spedman was then called and proved asking for an ounce of tincture of aconite, and the assistant replied that he had not that, but that he had liniment of aconite. He then stated to the assistant that he wanted to treat horses, and when he received the poison he produced a prescription, which was prepared by the assistant and handed to witness.—Dr. Henry Mason, Dublin, also gave evidence, and was followed by Mr. David Jardin, who proved analysing the articles purchased and finding them to be as stated.—Thos. Holloway, who gave his evidence with much reluctance, was called by Mr. Bannin to reply to the latter. He said that he had been with Mr. Kennedy since he opened those premises in October last. He had a good deal of experience, having worked in Dublin and other places, and he had been assistant to Mr. Smith, President of the Pharmaceutical Society.—Mr. Bannin here pressed the witness as to whether it was not the practice for unqualified assistants to make up prescriptions in the absence of their employers, but the Chairman said they would not take the witness's word as to that. Mr. Bannin said it was the practice all over the world.—The Chairman: Well, that's what the Society wants to put a stop to.—Mr. Meeke said it was for the protection of the public, apart from their own interests, that the Society brought the prosecution forward. He might mention that it was only in one out of every ten of those cases that the Society secured a conviction.—Mr. Bannin, in reply to the Bench, said that defendant had since secured the services of a qualified man.—The Chairman stated they considered the case proved. It was brought for the protection of the public. The defendant had evidently made a mistake which he had now remedied, and under the circumstances they would only inflict the penalty of 5*s.*, with 15*s.* costs in each case.

# Exchange Column—Bargains.

**TERMS.**

*One halfpenny per word with name and address. One penny per word if we register the address and attach a number.*

**No Advertisement inserted for less than 6d.**

## FOR DISPOSAL.

### APPARATUS.

GRAMME balance, no weights, as used in continental pharmacies; also Maw's rotary pill-coater; both in good condition; cash offers wanted, or would exchange for anything useful or saleable. MILLING, Chemist, Chester.

### BOOKS AND PERIODICALS.

WHAT offers for Attfield's 1898; "Botany," 2 vols. (Green's), 1896; "Practical Chemistry": Mollwo Perkins', 1904; Muter, 1904; Cohen's "Organic," 1904; Perkin and Kipping's "Organic," 1896. DISPENSER, Lambeth Infirmary, S.E.

### DRUGS AND CHEMICALS.

WHAT offers?—About 10 lb. acid. salicylicum (Schering). Apply, C. HAMSON, Duke Street, Macclesfield.

### FORMULÆ.

RECIPE for sale.—Boot-polishes, cream sauces. FRANCE, 42 Vartry Road, London.

TWELVE reliable formulæ for toilet articles, hair-wash, skin-cream, shampoo powder, lime cream, tooth-powder, etc., for 1*s*. the set. WATSON, 51 St. John Street, Folkestone.

NOVELTY.—Instant polish and varnish reviver; no rubbing; *not* a varnish, polish, or furniture-cream formula; 3 doz. ditto labels; 2 show-cards in colours, and full instructions; P.O. 3*s*. 6*d*. "EXPERT" (4/101), Office of this Paper.

### OPTICAL AND PHOTOGRAPHIC.

12 by 10 CAMERA and 1/1 instantograph; very cheap, or exchange for recent kodaks. JONES, Sutton Coldfield.

OPTICAL Goods.—Frames (all kinds), glazed and unglazed; motor goggles; cash offers, or exchange for anything useful or saleable. MILLING, Chemist, Chester.

OPTICAL Goods.—Test-case, containing full set of lenses and adjustable trial frame; cost £13; no reasonable cash offer refused, or would exchange for any saleable chemist's goods or wall-case. MILLING, Chemist, Chester.

BUTCHER'S 70*s*. stand camera, Beck lens, perfect condition, not soiled, £2 13*s*. 6*d*.; Goerz Anschutz half-plate focal plane, latest pattern, with Syntor lens, one double dark slide and Mackenzie-Wishart adaptor, with six envelopes, in new condition, £12 10*s*. BLAMEY, Chemist, Falmouth.

### SHARES.

SHARES for sale. See p. 66.

### SHOP FITTINGS.

FINE outside lamp, with 3 bulls'-eyes, in good condition; cost £7 10*s*.; first reasonable offer accepted. MILLS, Chemist, Eastbourne.

TWO doz. 40-oz. shop-rounds; 8 40-oz. oils; 117 12-oz., 29 8-oz., 10 12-oz. poisons; 15 15-oz., 65 8-oz. squares; all stoppered and labelled; 25 4-lb. ointment-jars (blue), with covers; £2 12*s*. 6*d*. the lot to clear, from TUDHOLME, Earl's Court, London, S.W.

### MISCELLANEOUS.

TYPEWRITER (Williams), visible writing; condition as new; £6. "C.," 74 Regent Street, W.

SIX-GALLON carboy, 10*s*. 6*d*.; 5 lb. Mitcham lavender oil, 1903, 28*s*. 6*d*. lb. 6/19, Office of this Paper.

DUPLICATING apparatus, invaluable for circularising; nearly new; cost £10; take £4. "C.," 74 Regent Street, W.

SMALL antique brass mortar with handles, 4½-in. sundial, 30*s*. lot; antique bureau, 80*s*. C. WOODS, Harleston, Norfolk.

N.O. gas apparatus, complete with stand; only used once; nickel-plated; cost £6 10*s*.; sacrifice for £3 10*s*. 15 Bridge Street, Winchester.

MATTHEWS American soda-fountain; good as new; 8 syrup taps; photo on application; reasonable offer accepted. Apply, 5/1, Office of this Paper.

DENTAL forceps, first-class make and condition; 15 instruments, plated; mahogany case; very cheap; approval. HICKMAN, 5 Abbotts Road, Southall.

OFFERS wanted for a Matthew's St. Elias soda fountain; 16 syrup holders; 2 lung bells; 120 artificial eyes; ol. lavand. ang. 1898. Apply to 124 Market Street, Manchester.

MORRISON chair, in excellent condition, recently re-upholstered green plush, £7 10*s*.; electric dental engine, with 5-cell accumulator, cost £14, accept £5 10*s*.; Bonwill electric mallet, almost new, also Ash's improved electric mouth-lamp, together £5; odd diatoric fronts, £1 per 1,000. EDWARD SMITH, 25 Leinster Square, Bayswater, W.

## WANTED.

MICROSCOPE, cheap, about 25*s*. Send full particulars to THORNE, Hednesford.

GUM opii. State quality, price, and quantity, "CHEMIST," 22 London Road, Maidstone.

OINTMENT-MILL wanted. State kind, capacity, lowest price, 4/12, Office of this Paper.

"CHEMIST AND DRUGGIST." April 11, 1908. Send (flat) to "S. B.," Office of this Paper.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

FORMULA for an effectual dusting-powder for lice on cattle. Sample and price to "DURHAM" (270/14), Office of this Paper.

SHOW carboy with plain stopper, height to top of stopper 21 in., diameter 12½ in. State lowest price to MOORHOUSE, Chemist, Barnsley.

"PHARMACEUTICAL FORMULAS" Vol. 1, and "Squire's Companion," 1898; late editions. Send price to WALLIS, Southbourne Grove, Bournemouth.

GREENISH'S "Materia Medica," Farmer's "Botany," Page's "Physics," B.P. '98; in good condition; cheap. RUSSELL, 48 Dorset Street, W.

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OLD Prescriptions.—Pharmacist wishes to purchase genuine autograph physicians' prescriptions; good prices offered; prescriptions for pulveres particualrly required. Send specimens and prices to 158/62, Office of this Paper.

### ADDRESSES WANTED.

CAN any Chemist supply the present address of Major Farmar Bringhurst, who during last summer was staying at various South Coast watering-places? 6/34, Office of this Paper.

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